

FIG. 1

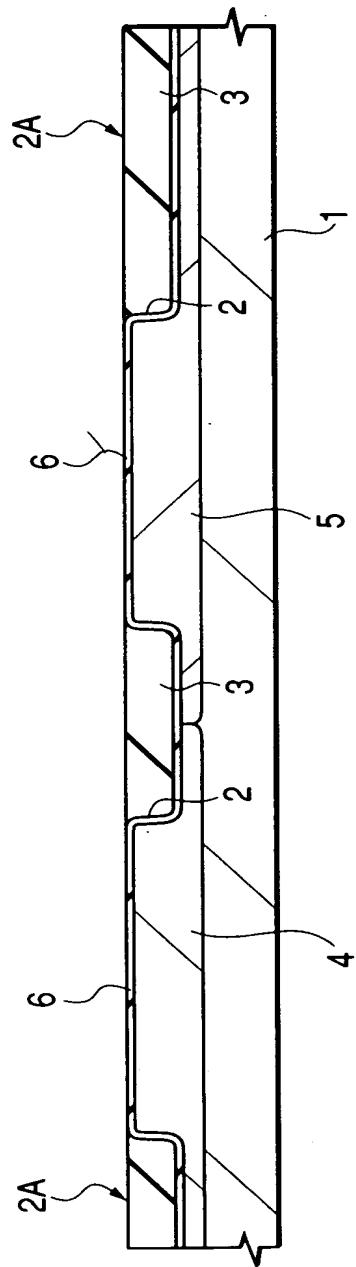


FIG. 2

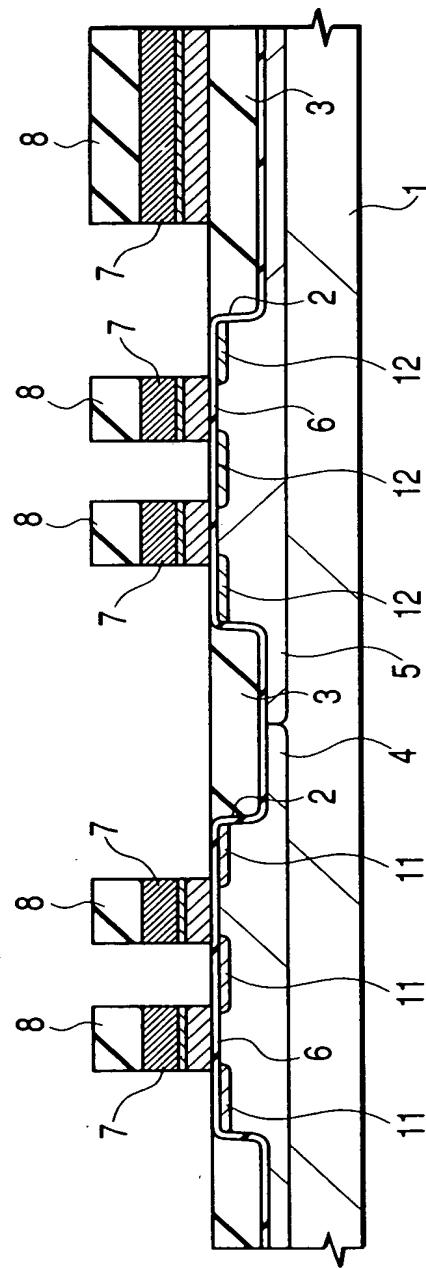


FIG. 3

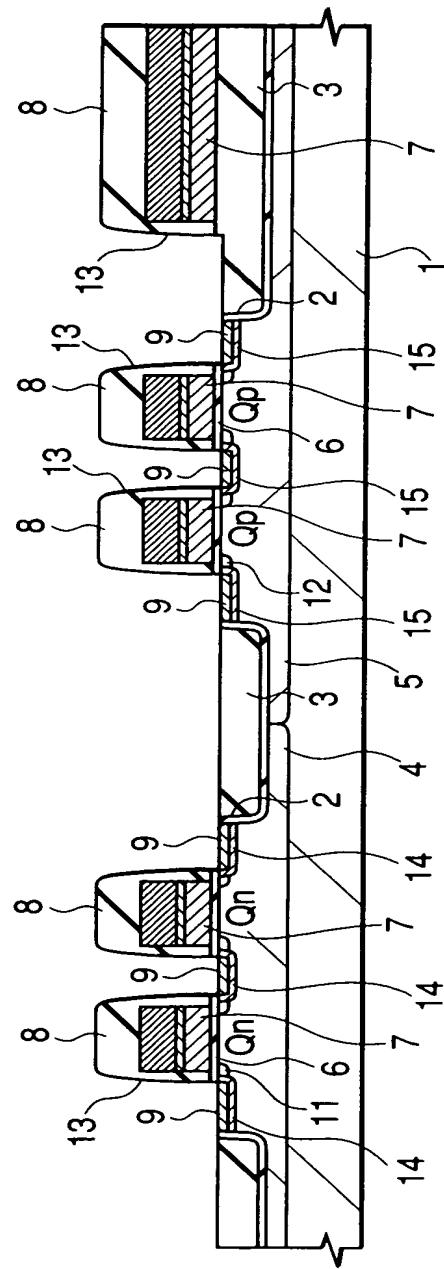


FIG. 4

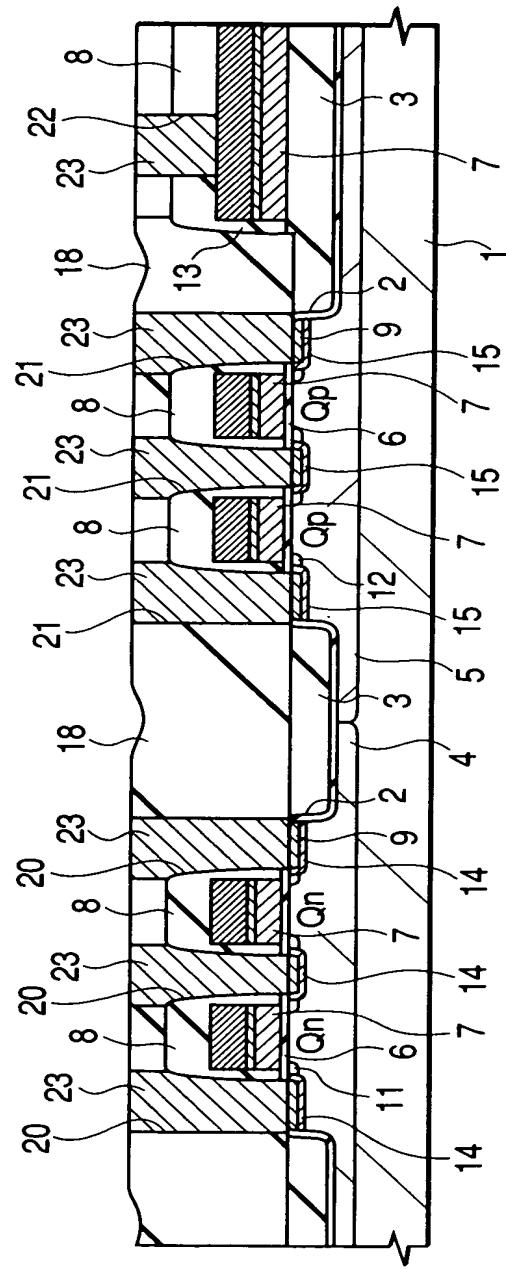


FIG. 5

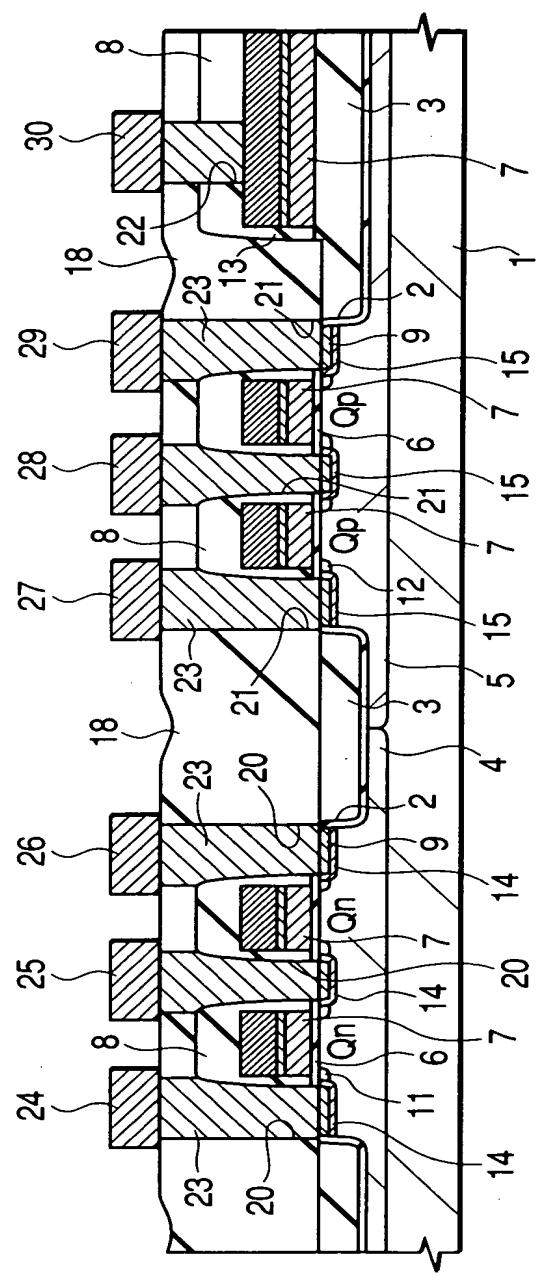


FIG. 6(a)

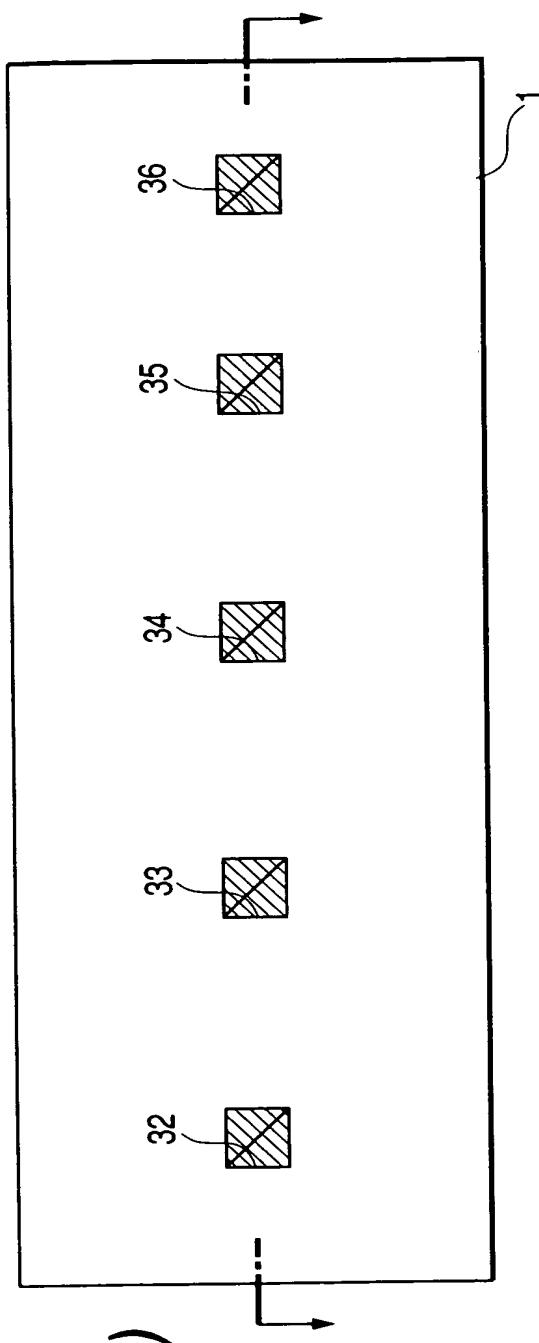
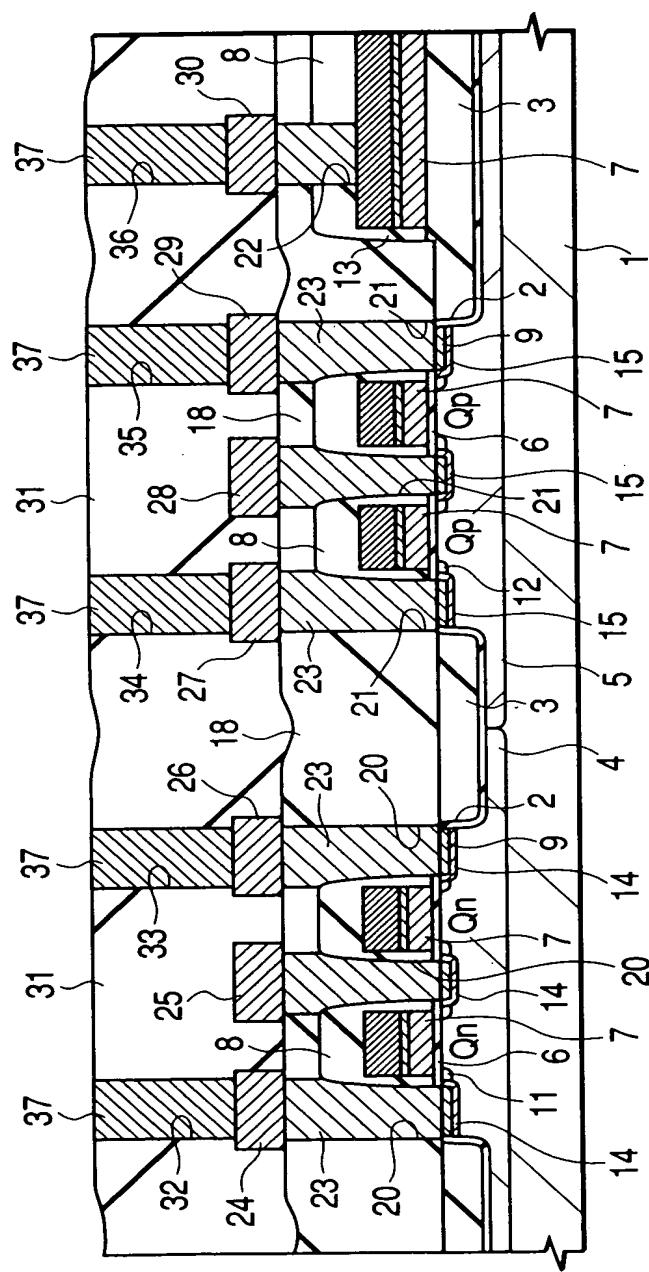


FIG. 6(b)



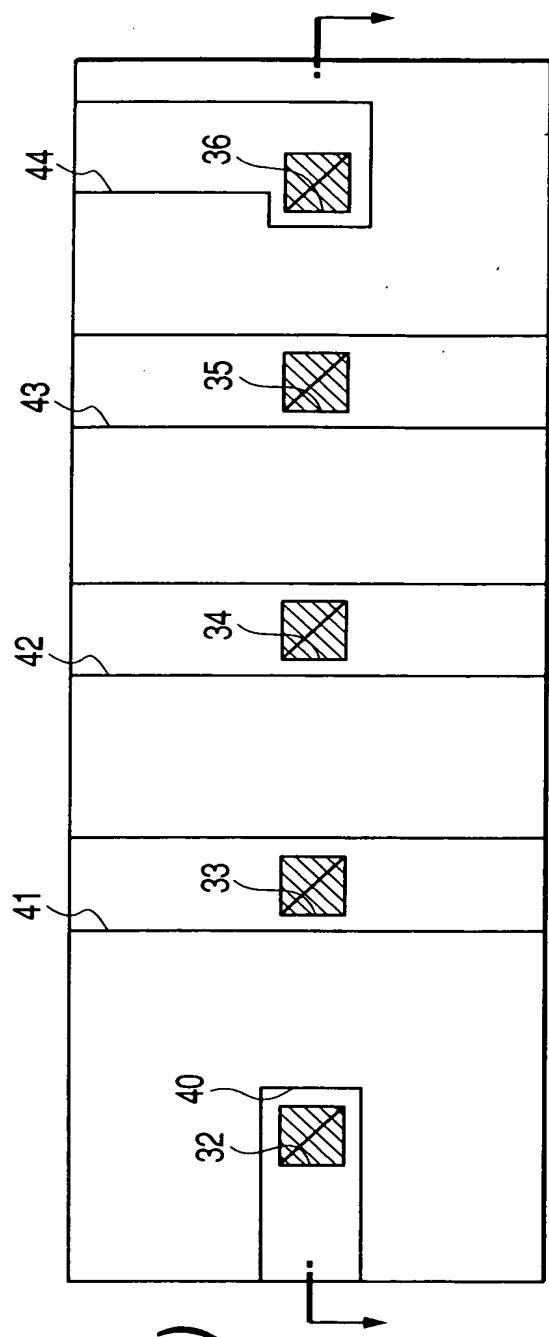


FIG. 7(a)

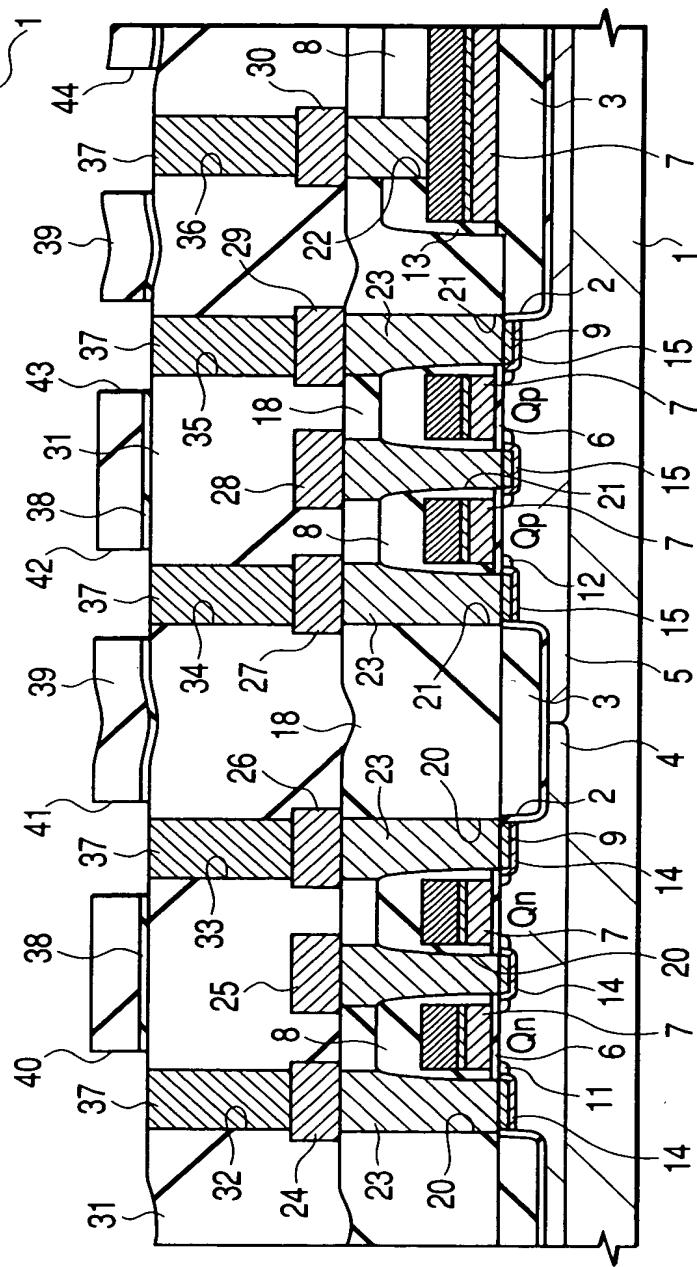


FIG. 7(b)

FIG. 8

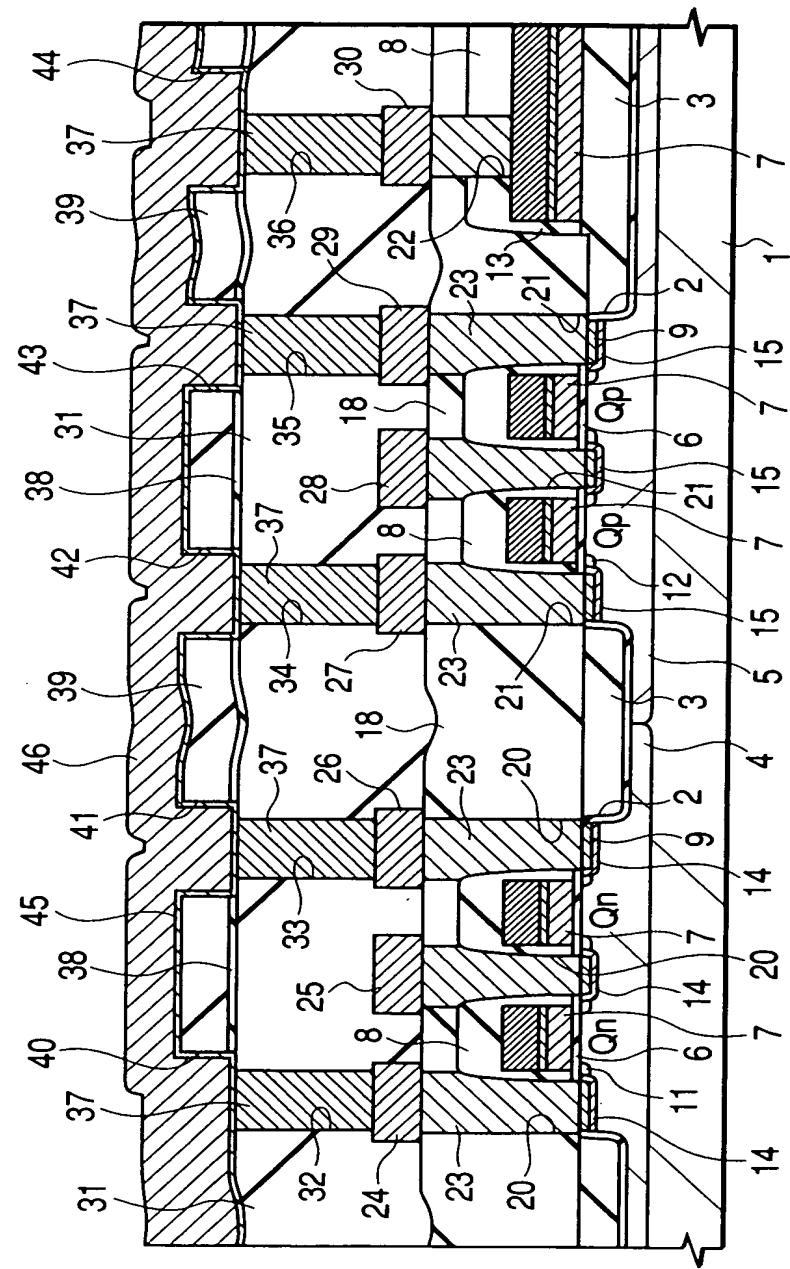


FIG. 9

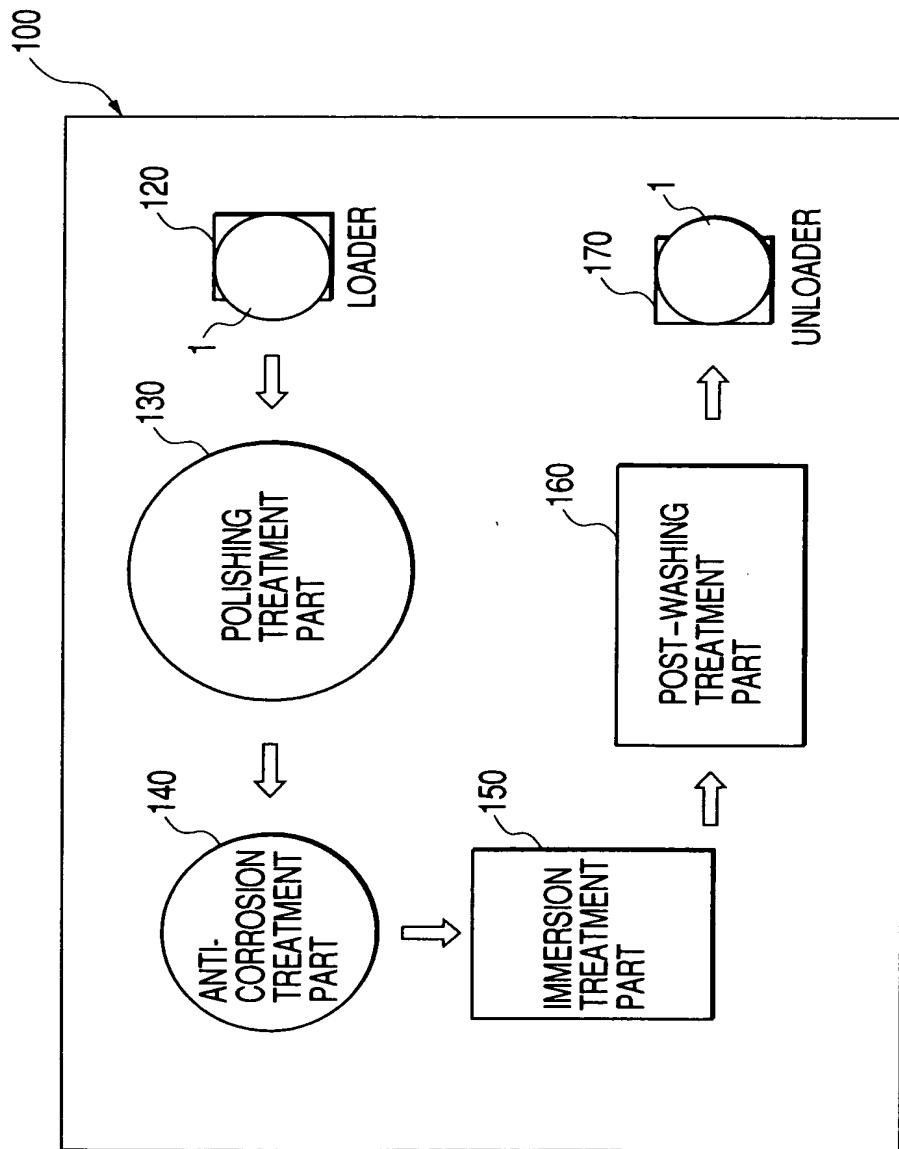


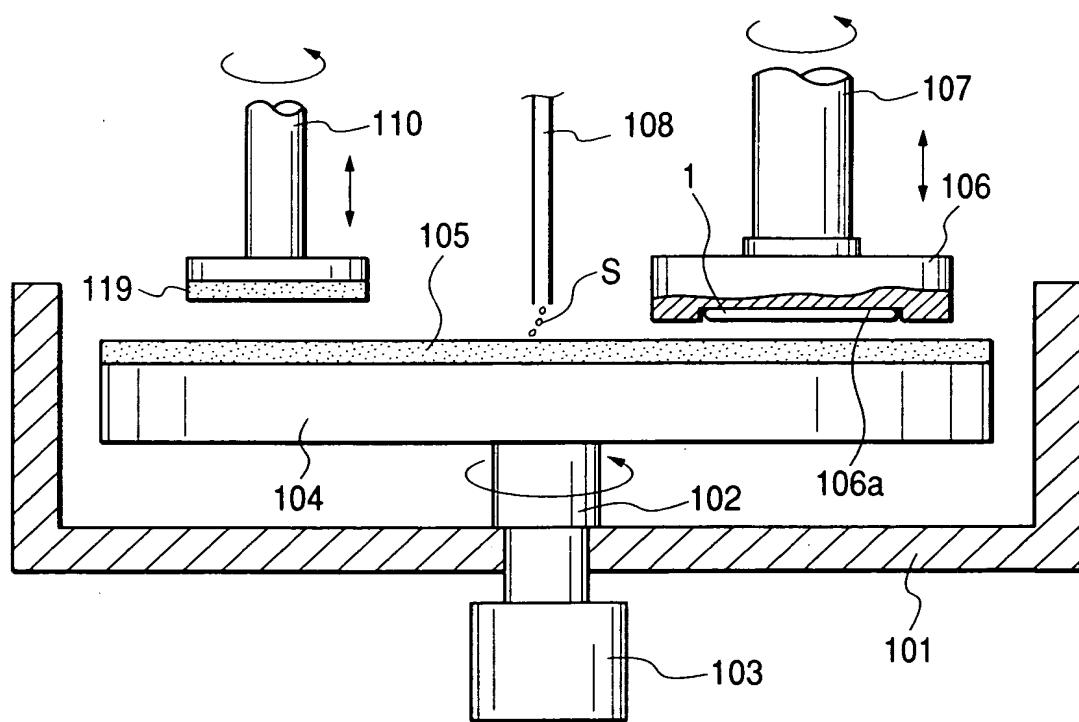
FIG. 10

FIG. 11

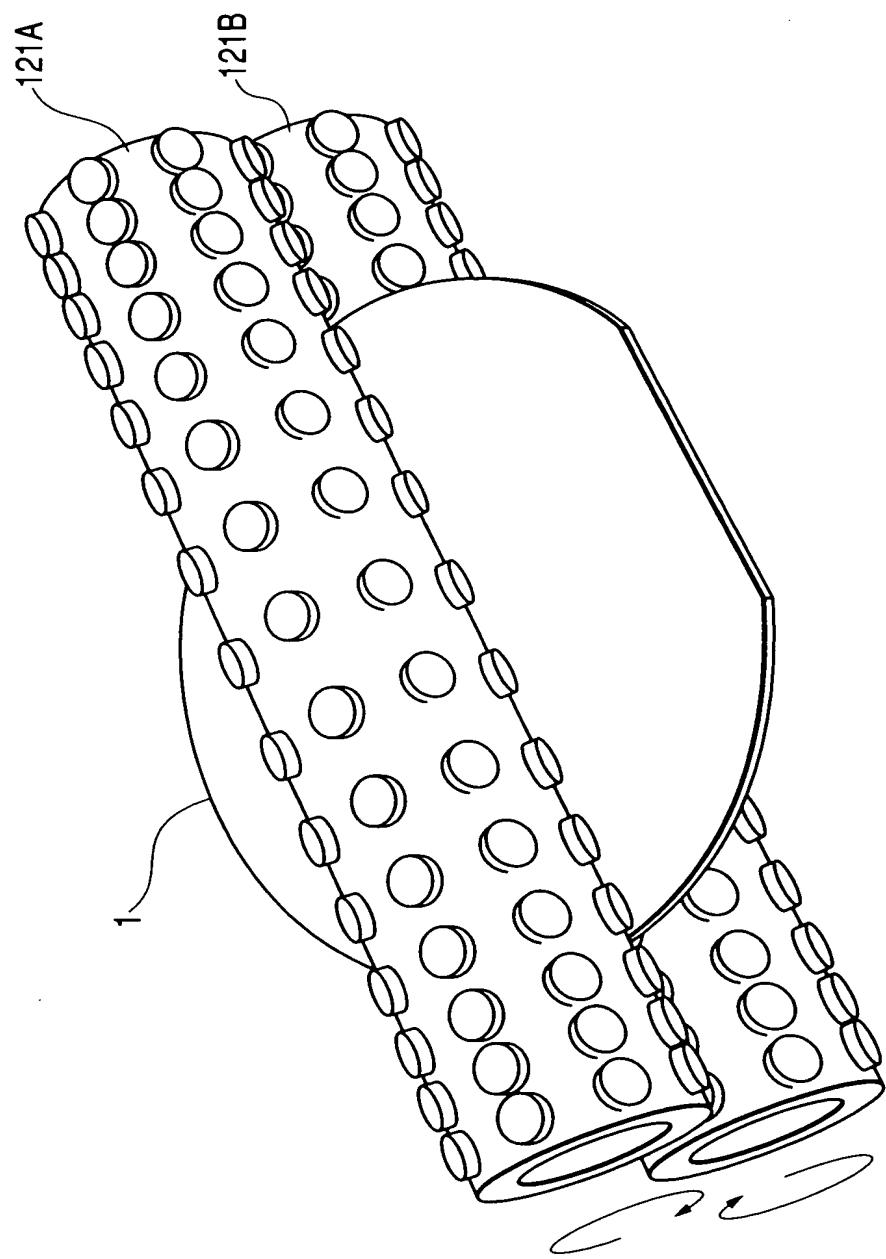


FIG. 12

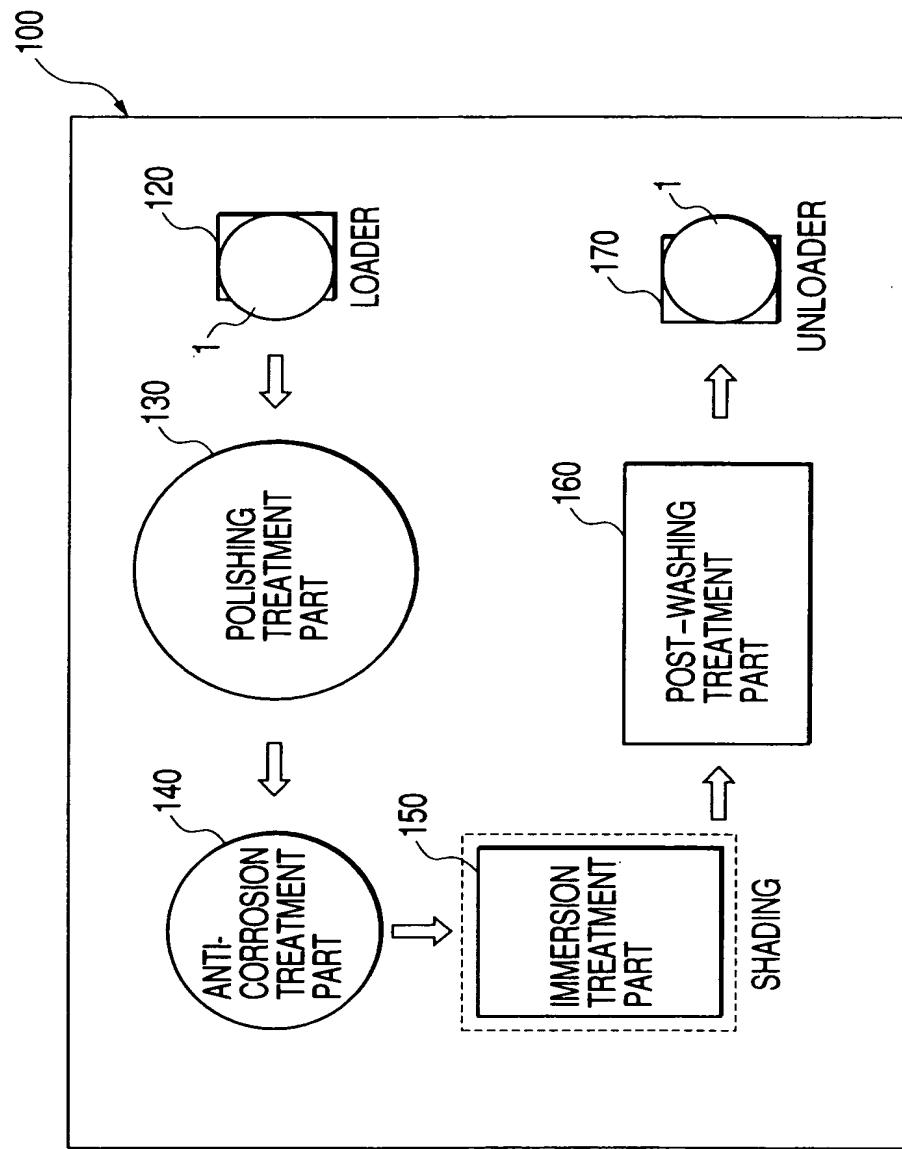


FIG. 13

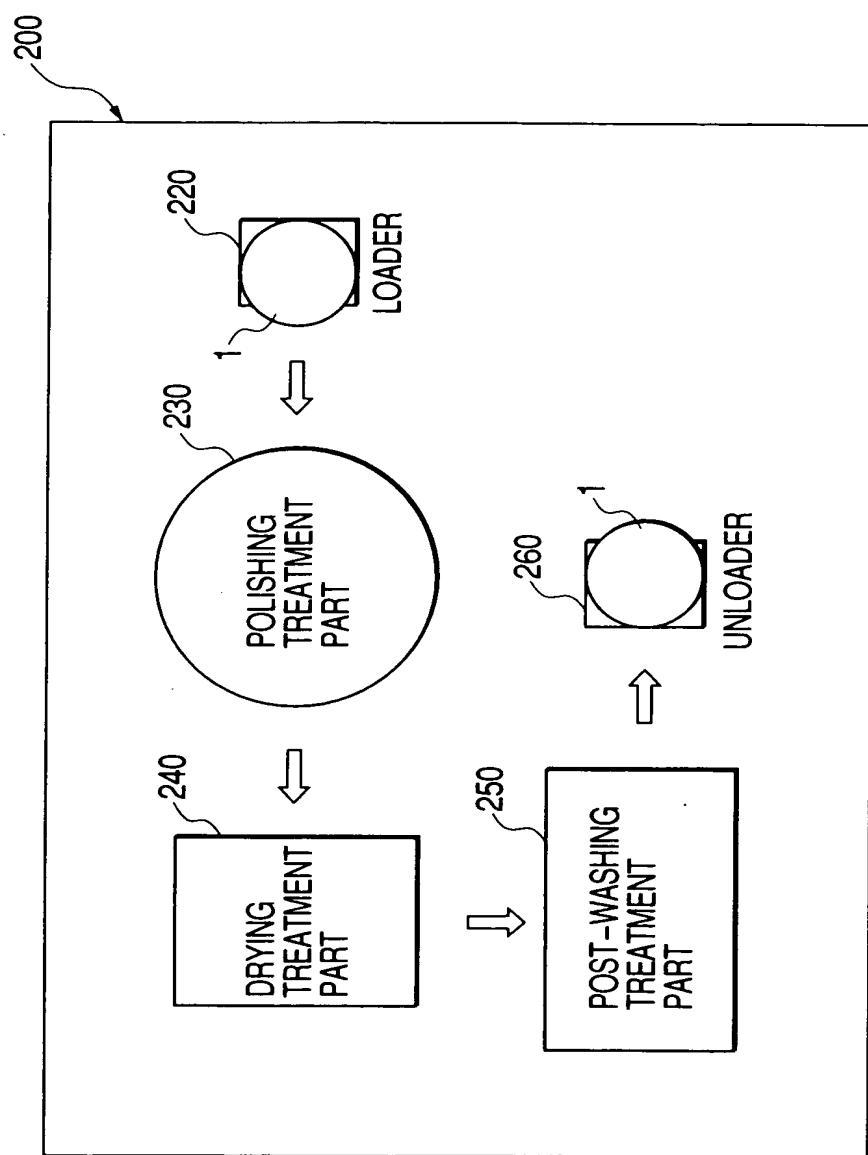


FIG. 14

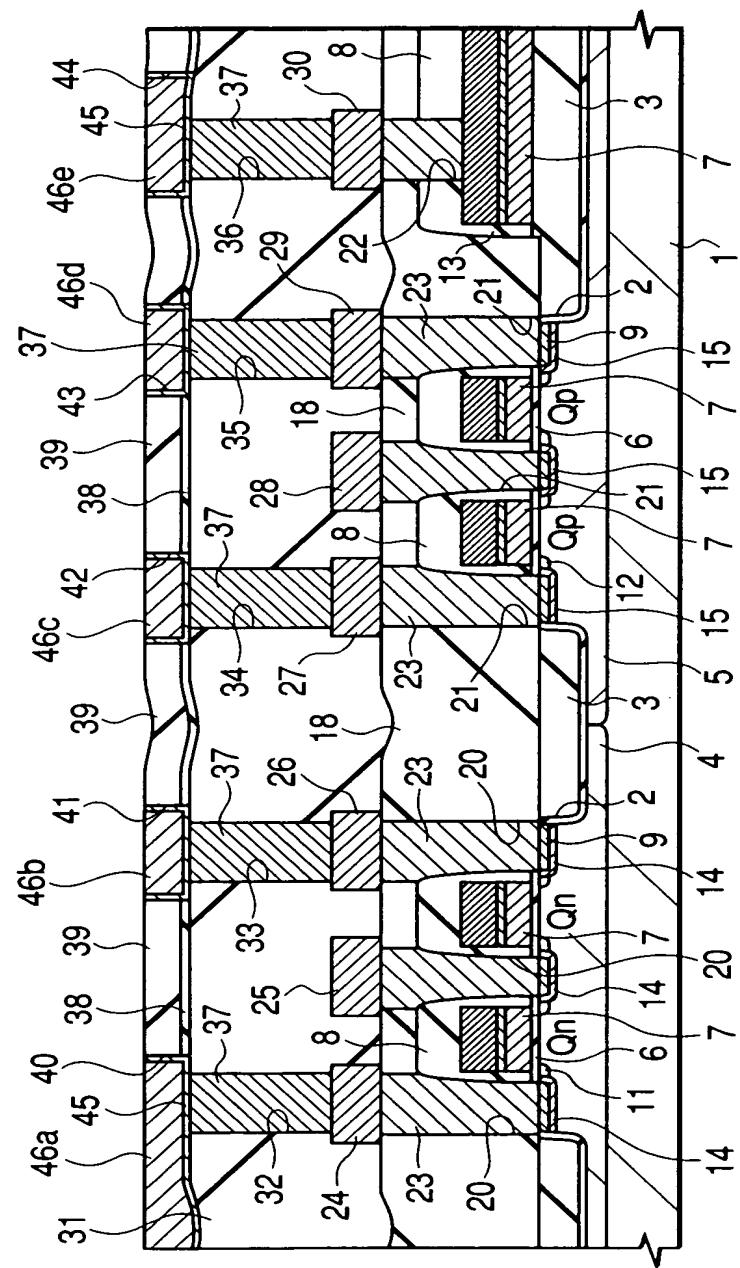


FIG. 15(a)

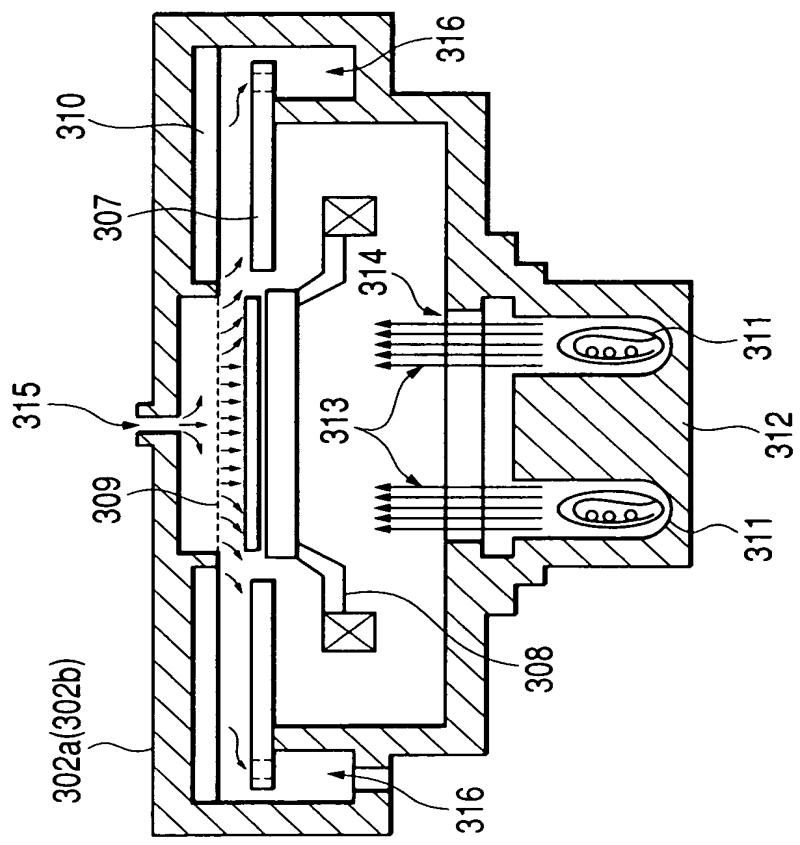


FIG. 15(b)

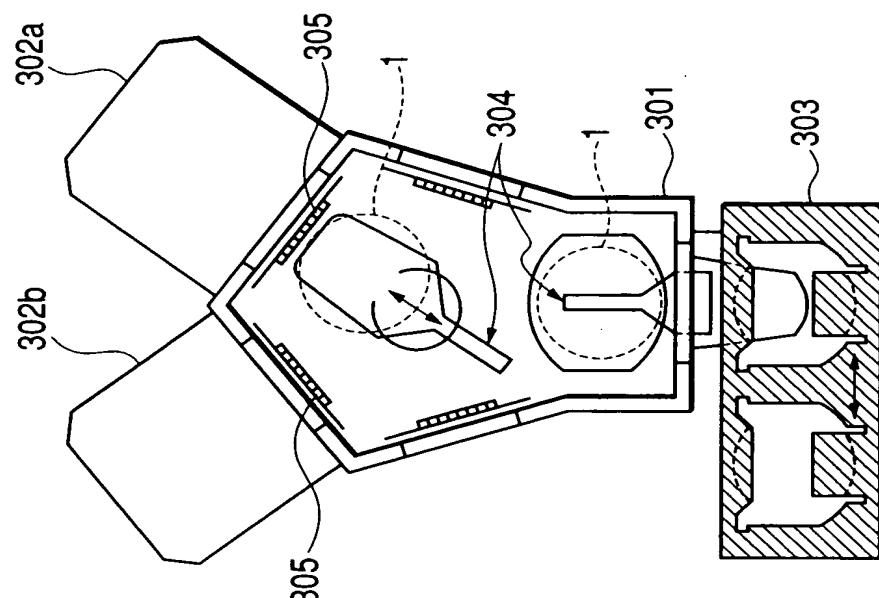


FIG. 16

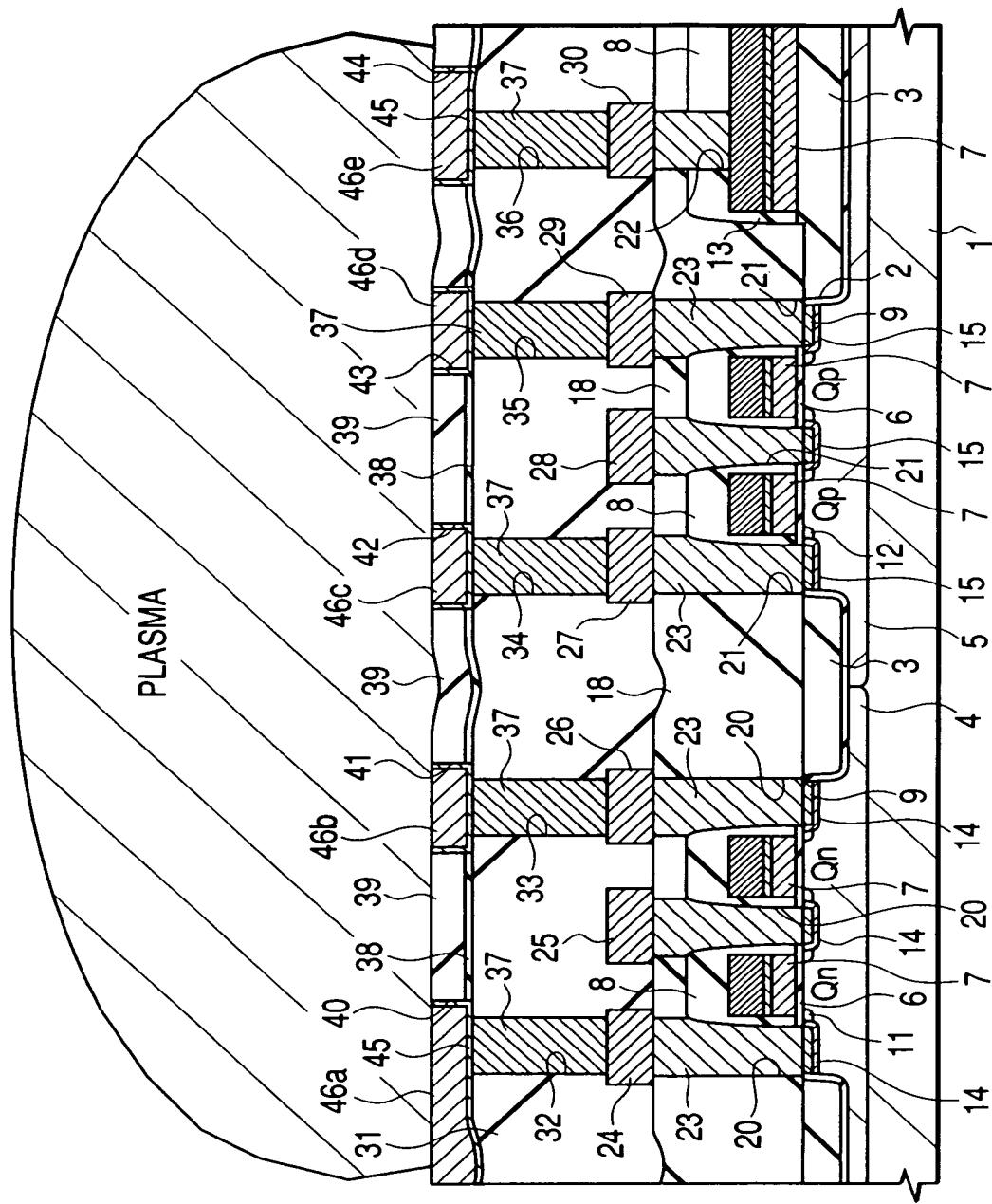


FIG. 17

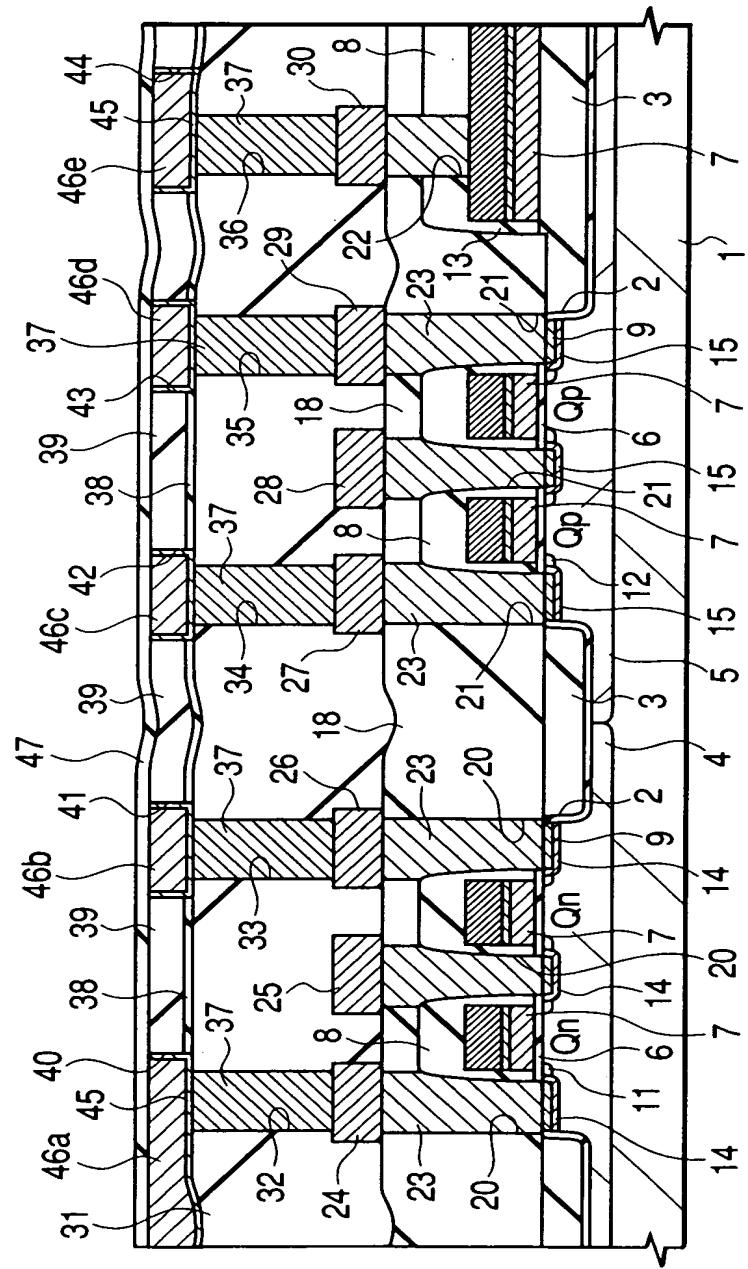


FIG. 18

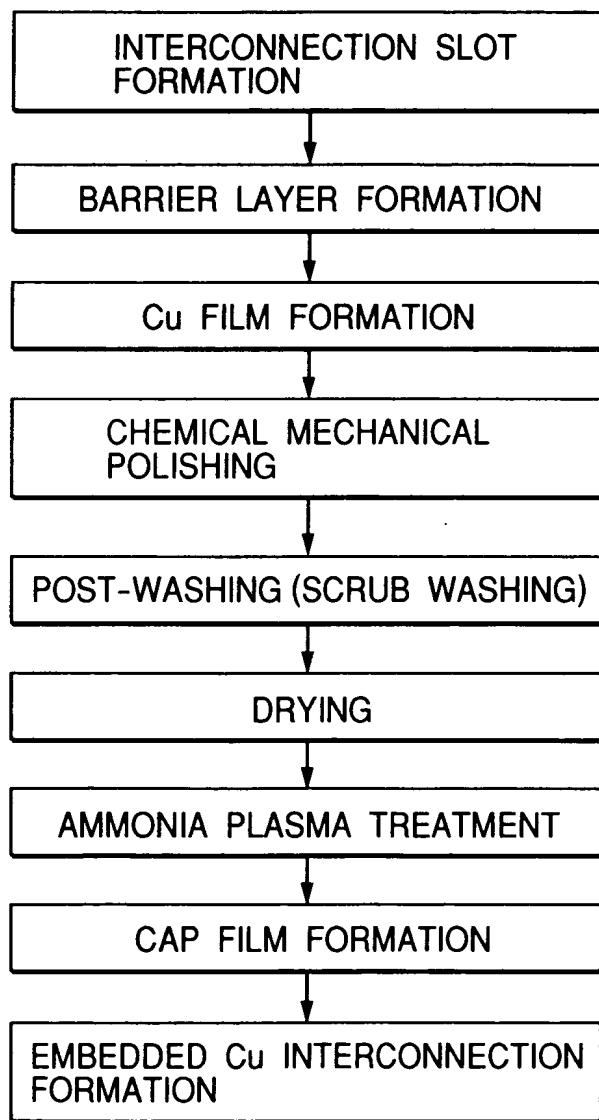


FIG. 19

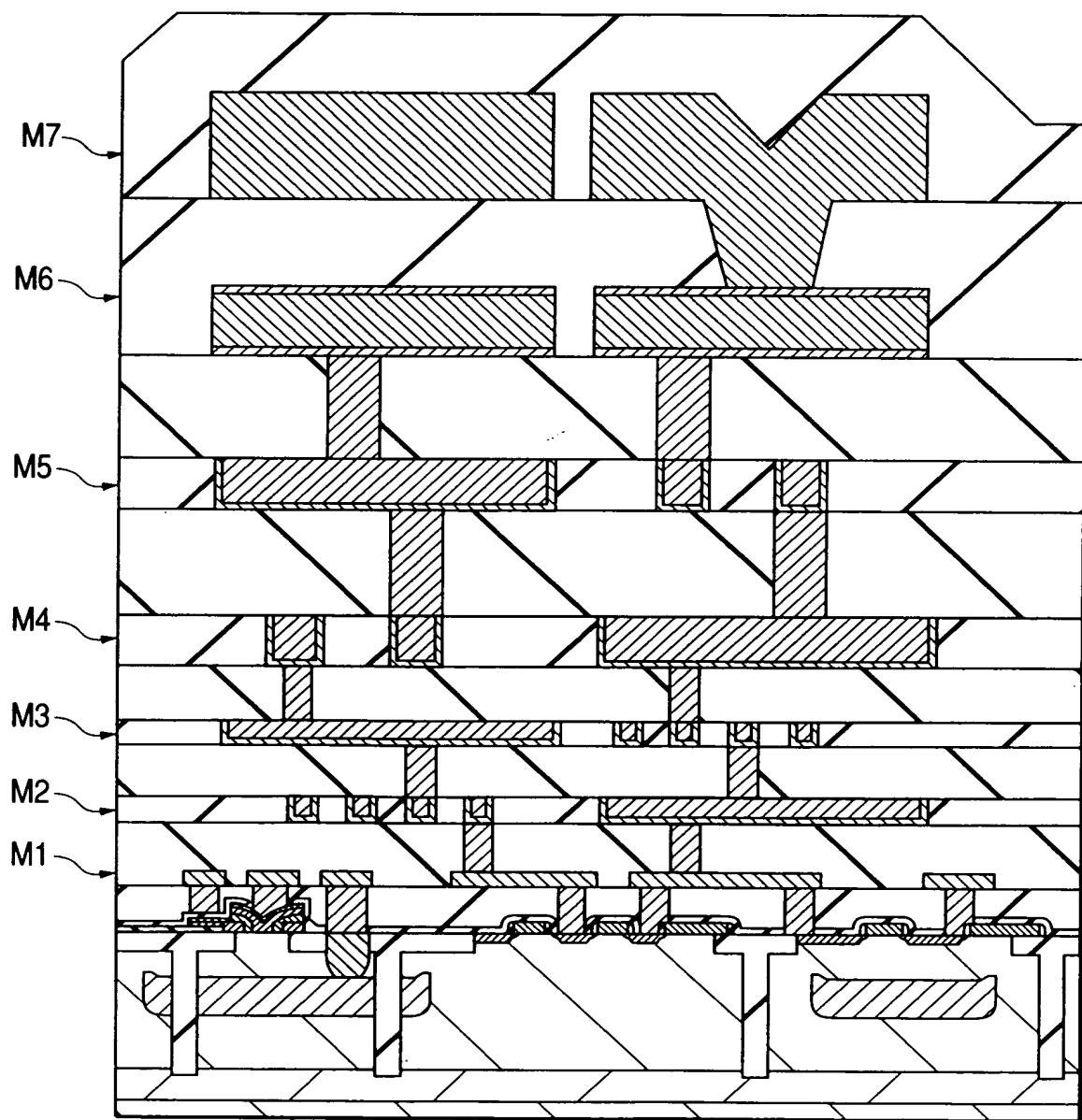
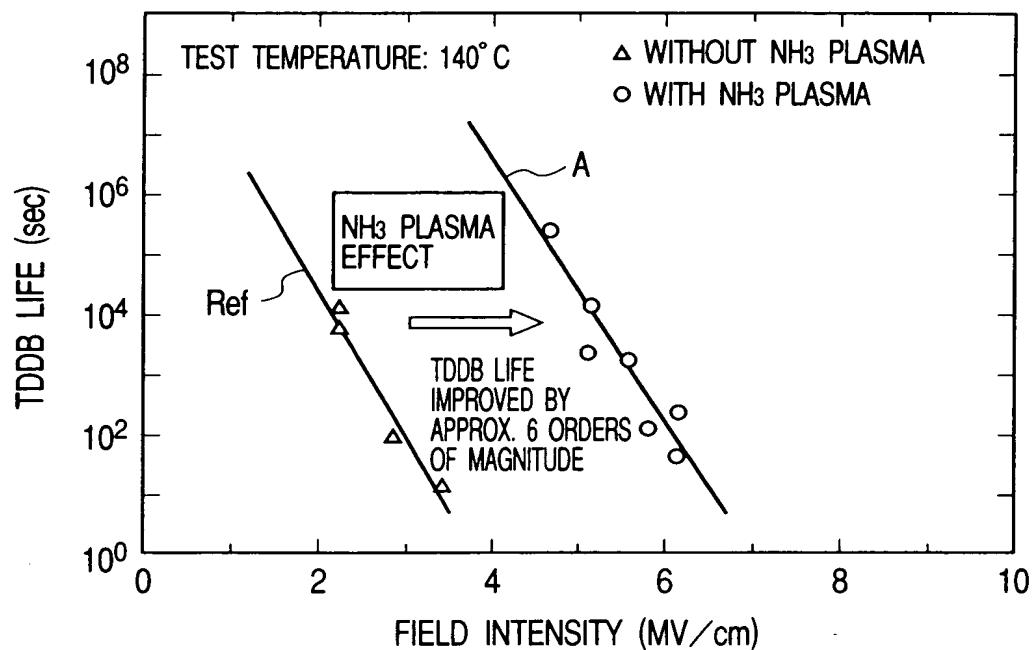
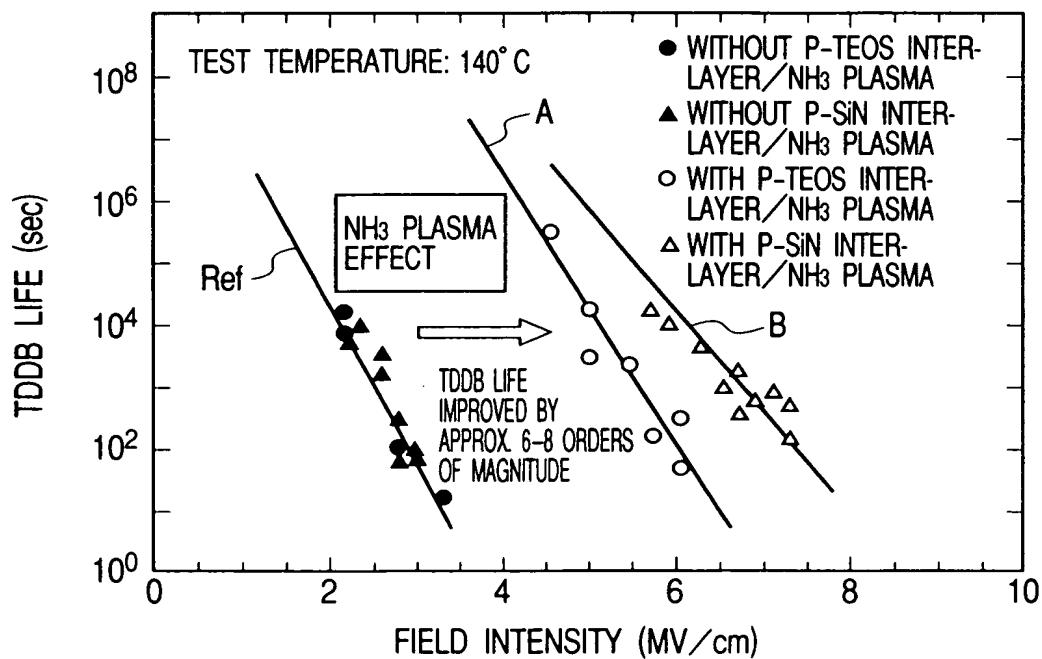


FIG. 20**FIG. 21**

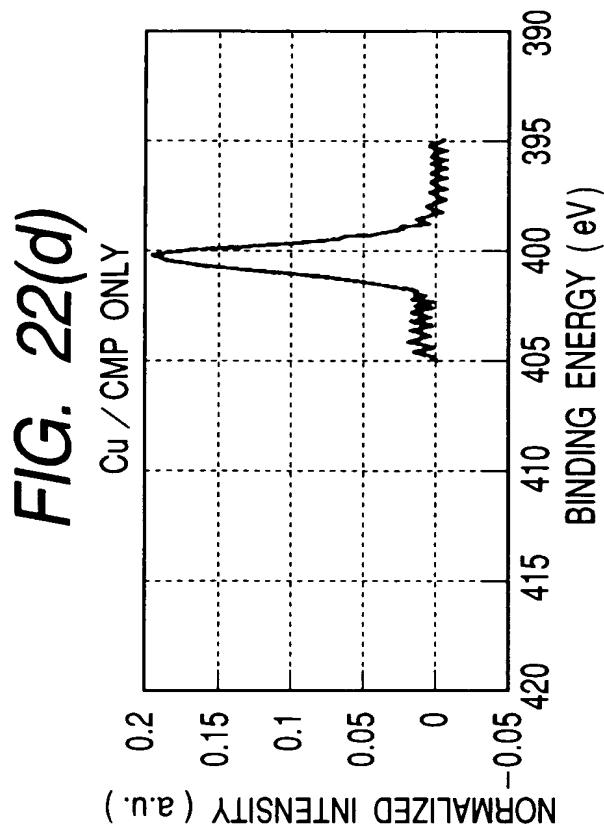
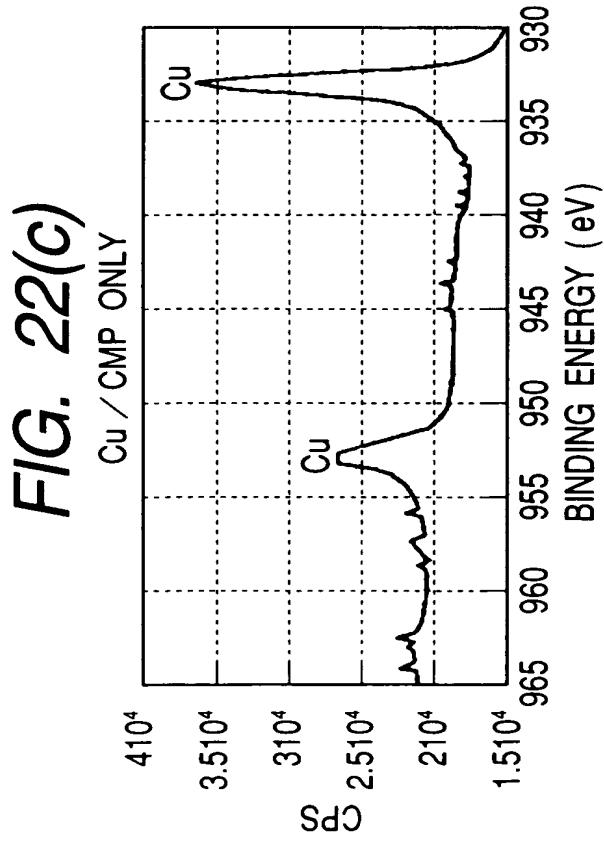
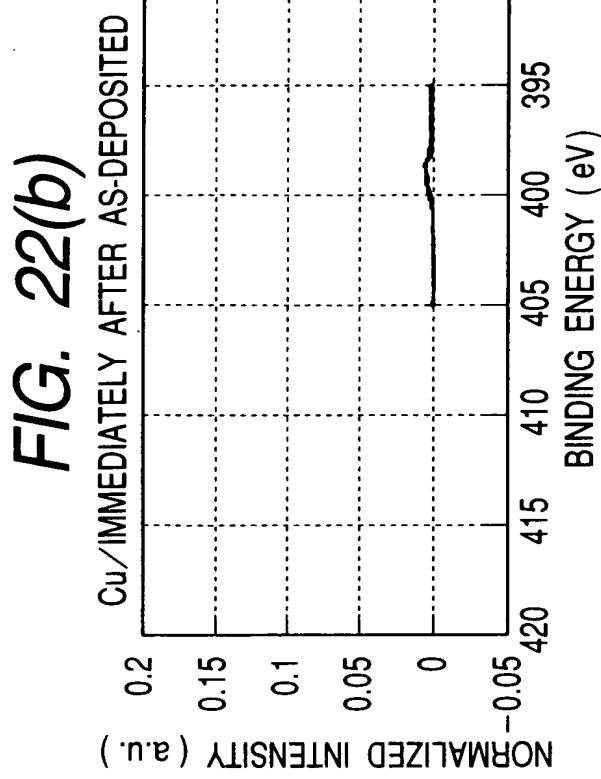
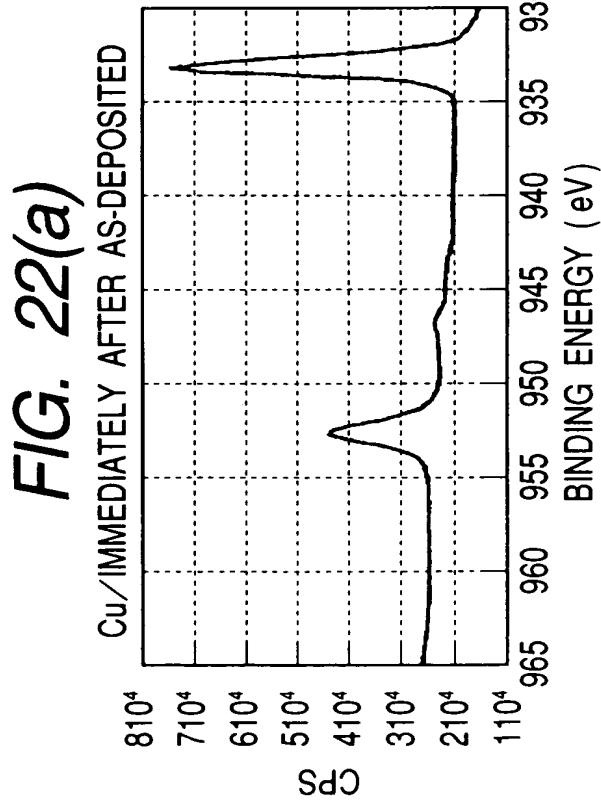


FIG. 23(a)

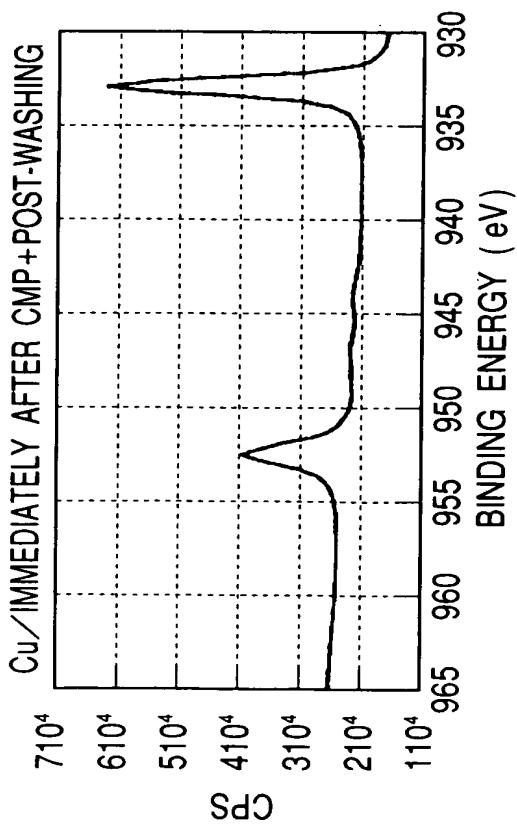


FIG. 23(b)

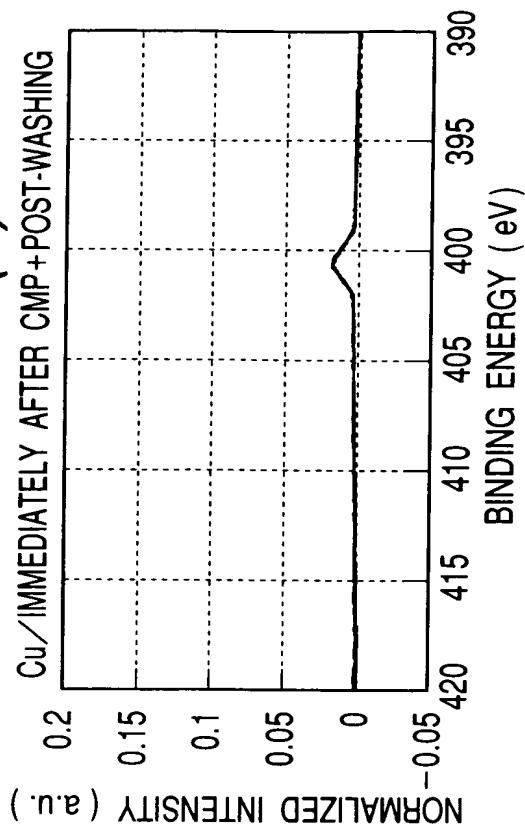


FIG. 23(c)

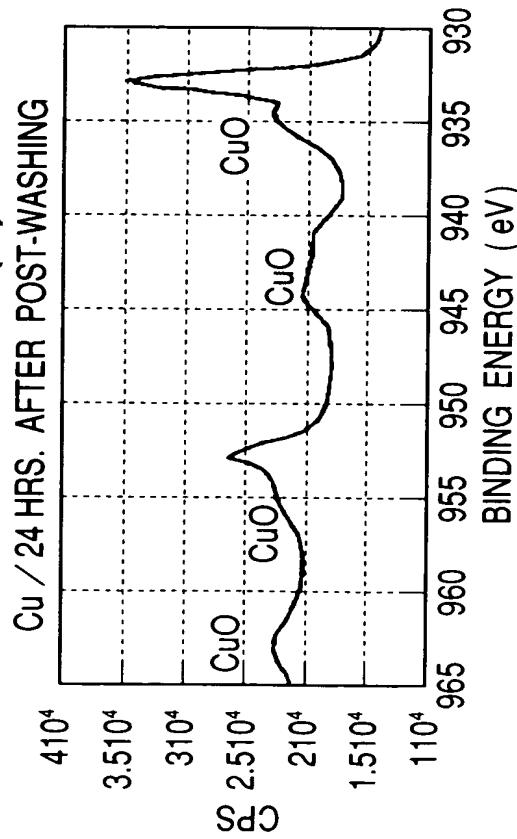


FIG. 23(d)

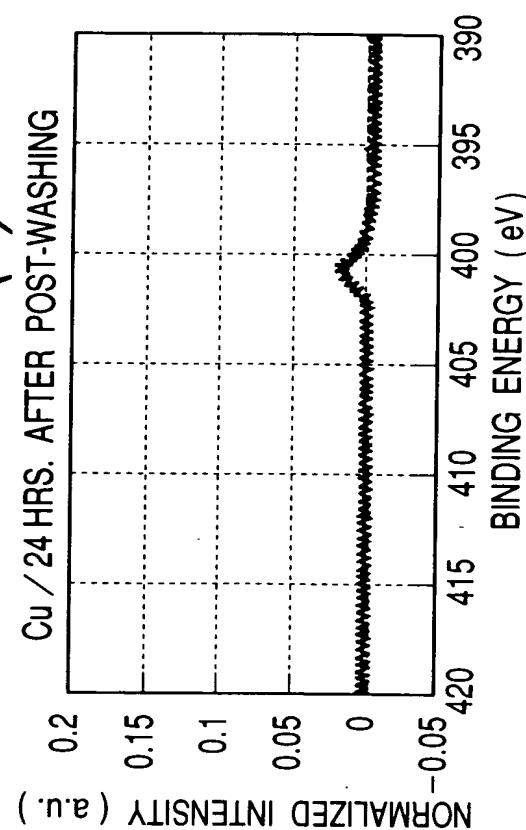


FIG. 24(a)

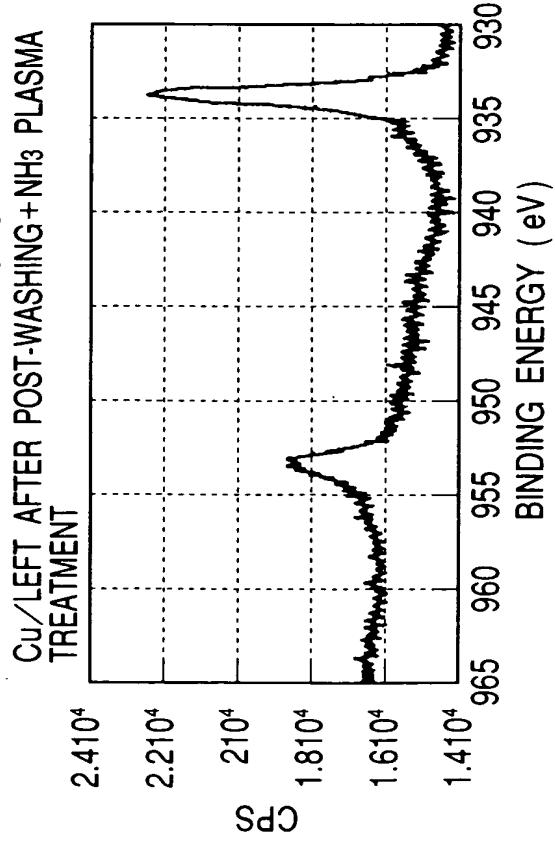


FIG. 24(b)

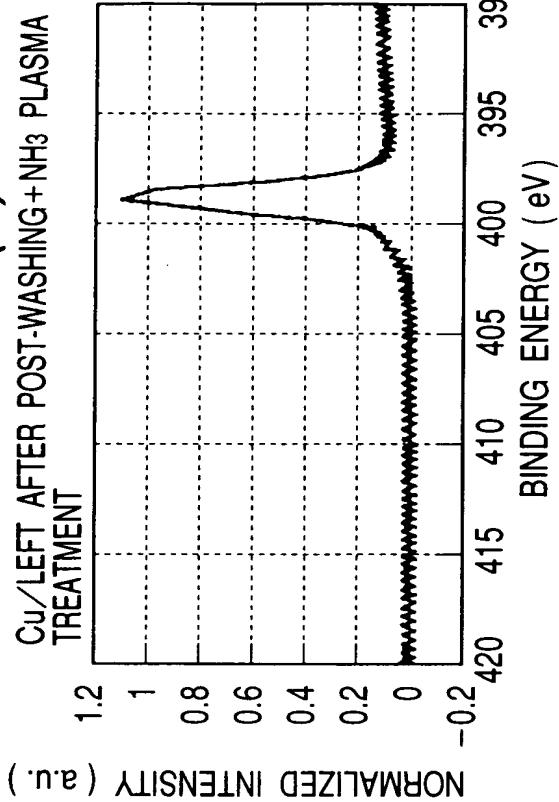


FIG. 24(c)

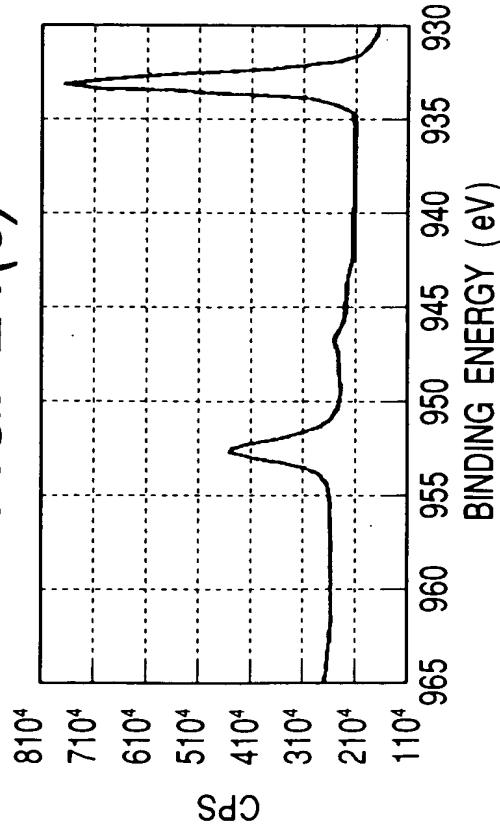


FIG. 24(d)

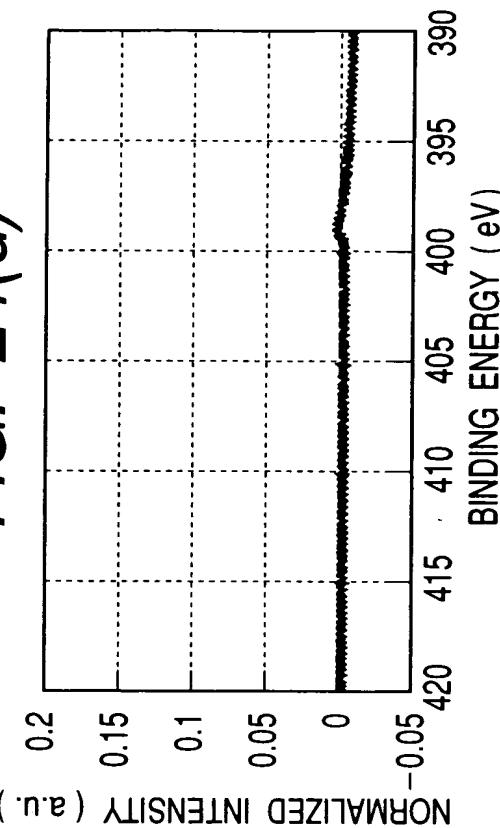
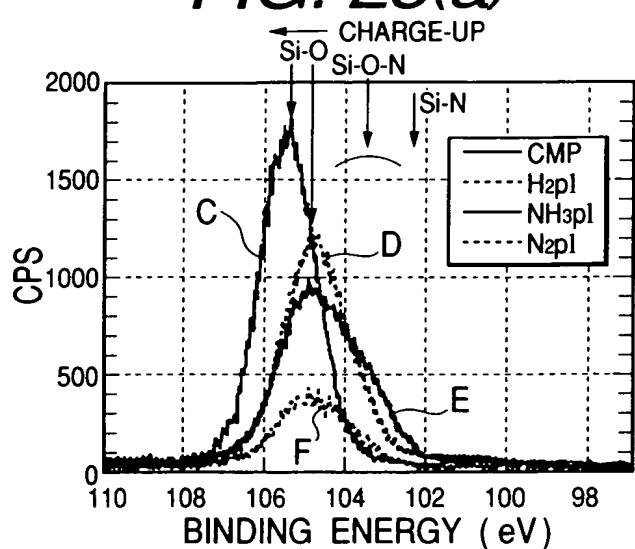
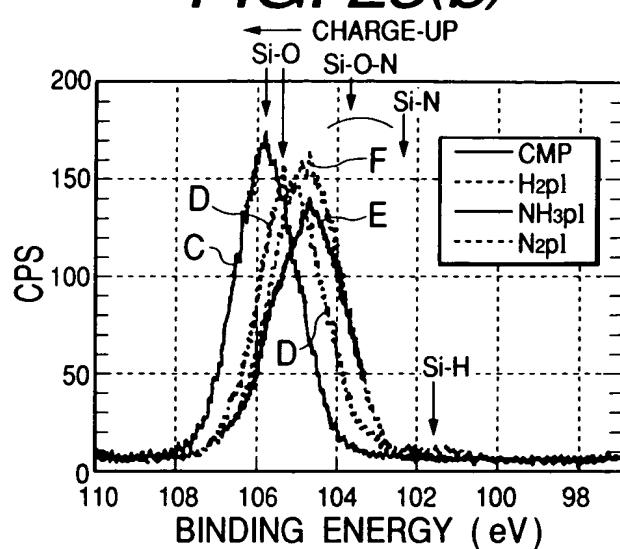
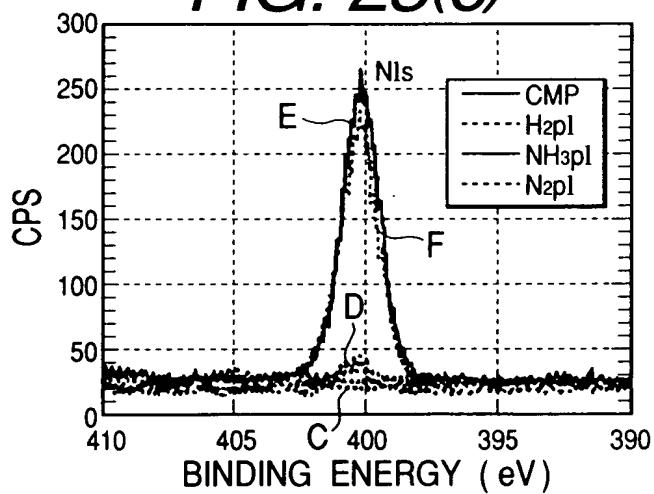
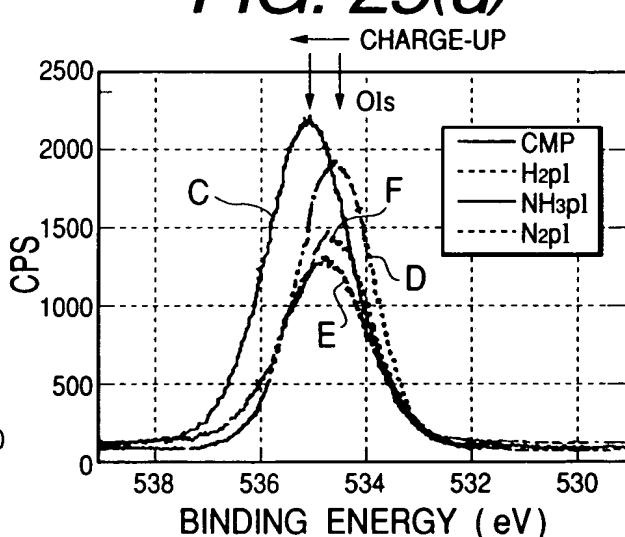
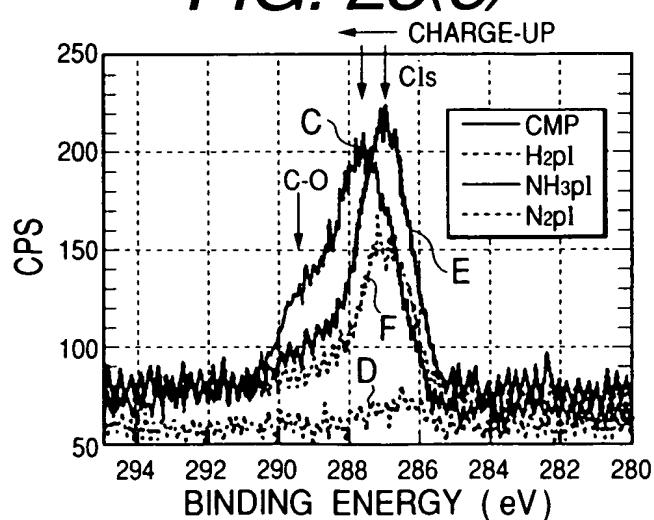
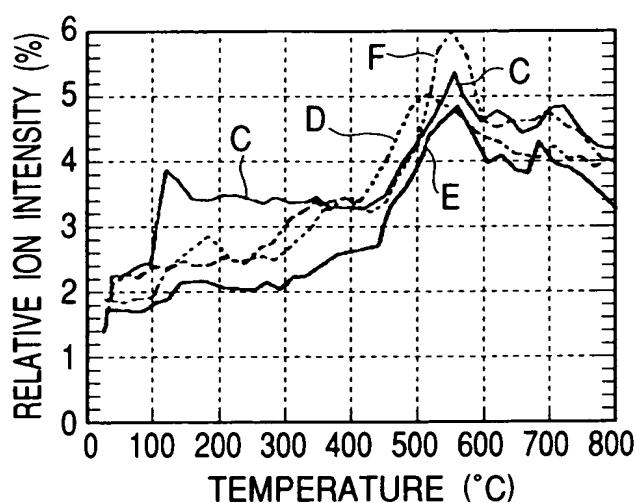
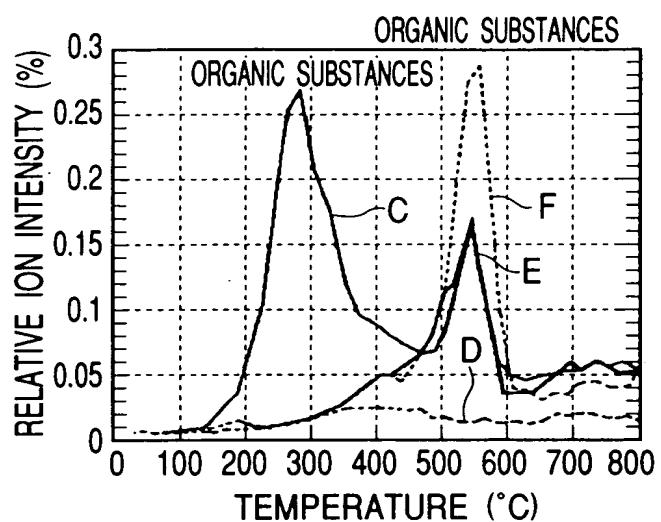


FIG. 25(a)**FIG. 25(b)****FIG. 25(c)****FIG. 25(d)****FIG. 25(e)****FIG. 25(f)**

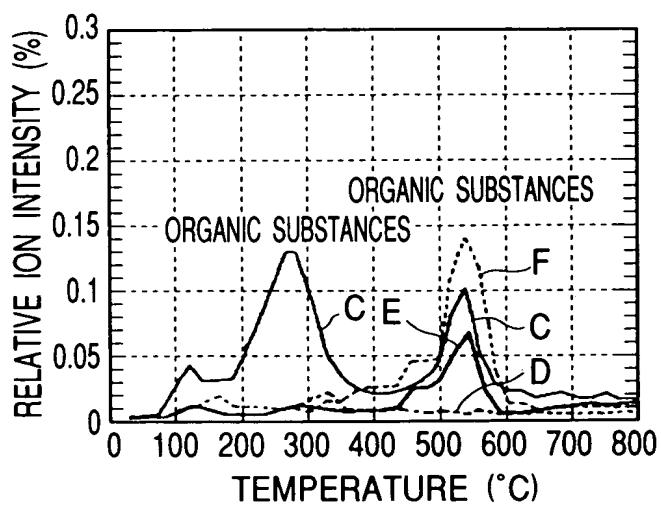
CONDITION	Si ₃ N _x
CMP	—
H ₂ pI	Si ₃ N _{1.08}
NH ₃ pI	Si ₃ N _{4.22}
N ₂ pI	Si ₃ N _{3.81}

FIG. 26(a)

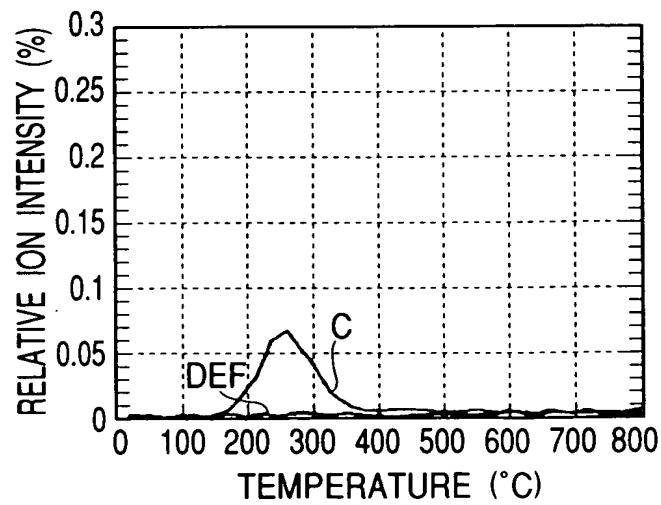
THERMAL DISSOCIATION OF HYDROGEN,
Ar-H $m/z=41$

FIG. 26(b)

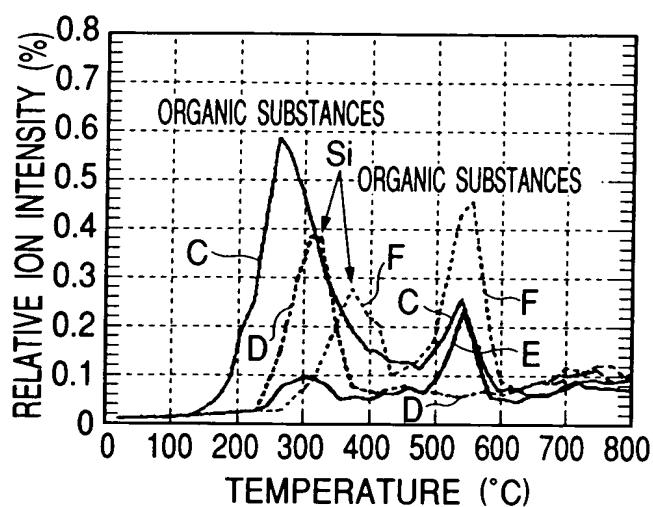
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
 $A(C_nH_{2n-1})$ C_2H_3 $m/z=27$

FIG. 26(c)

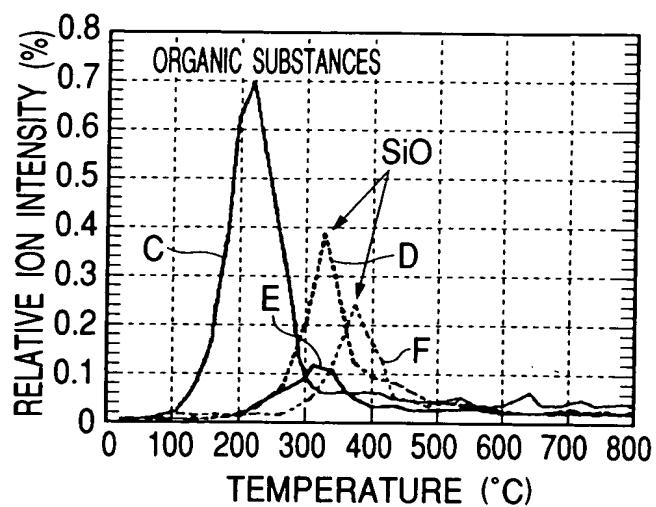
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
 $B(C_nH_{2n+1})$ C_4H_9 $m/z=57$

FIG. 26(d)

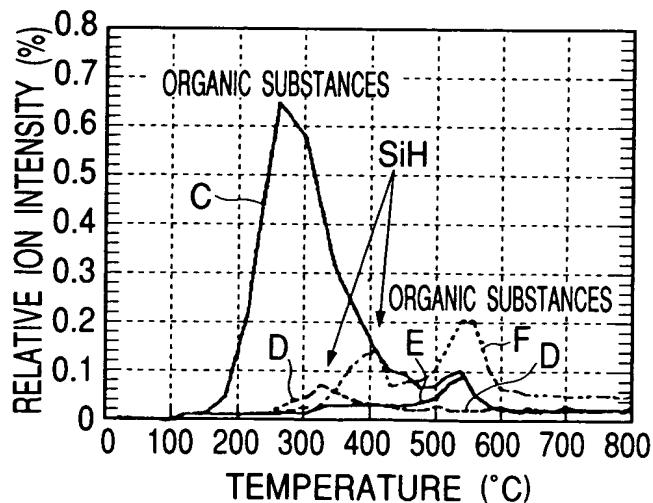
THERMAL DISSOCIATION OF ORGANIC
SUBSTANCES,
 $C(C_nH_{2n+1}O)$ C_3H_7O $m/z=59$

FIG. 27(a)

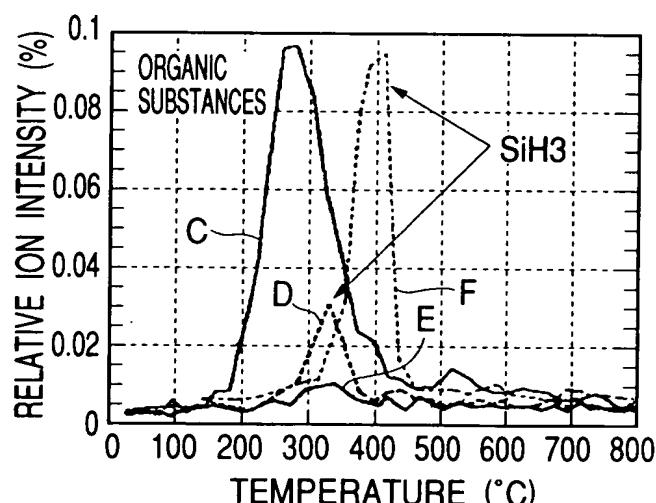
THERMAL DISSOCIATION OF Si
AND ORGANIC SUBSTANCES
Si, C₂H₄ m/z=28

FIG. 27(b)

THERMAL DISSOCIATION OF SiO
AND ORGANIC SUBSTANCES
SiO, C₃H₆ m/z=44

FIG. 27(c)

THERMAL DISSOCIATION OF SiH
AND ORGANIC SUBSTANCES
SiH, C₂H₅ m/z=29

FIG. 27(d)

THERMAL DISSOCIATION OF SiH₃
AND ORGANIC SUBSTANCES
SiH₃ m/z=31

FIG. 28

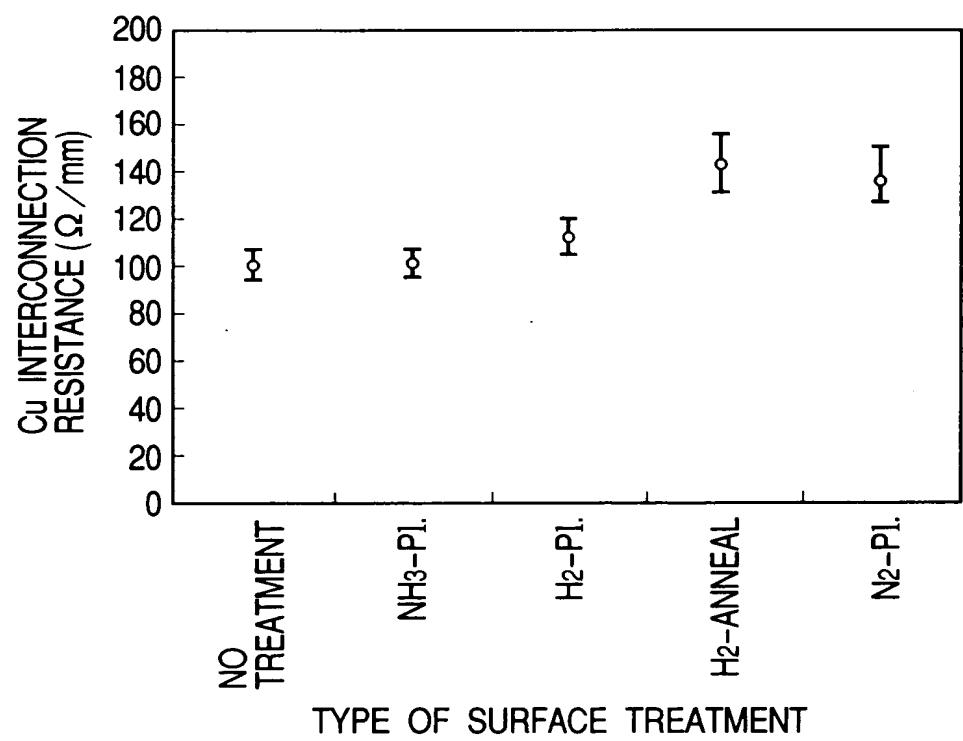


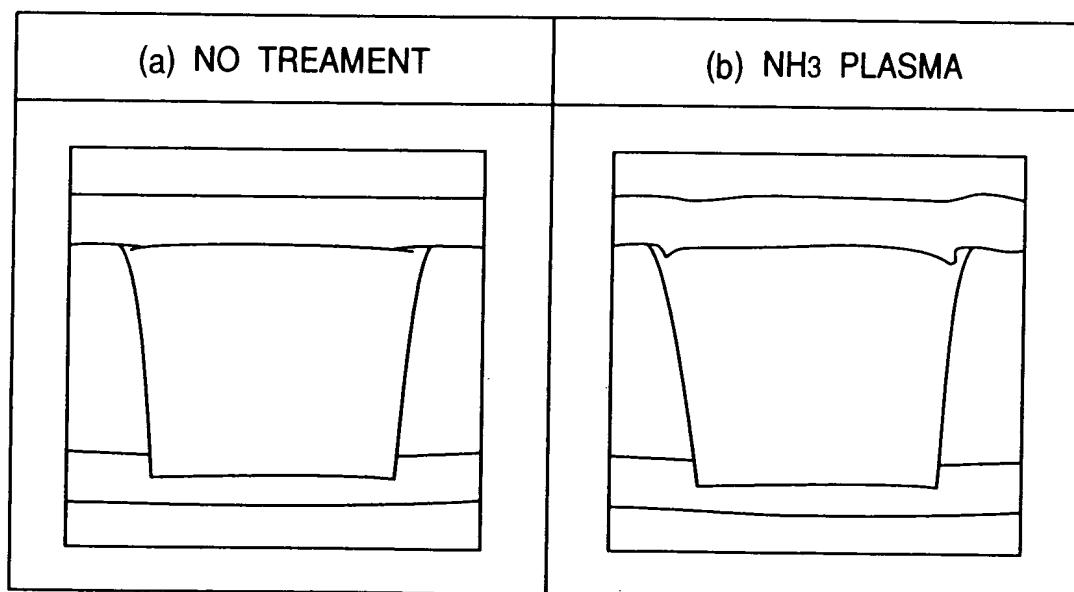
FIG. 29

FIG. 30

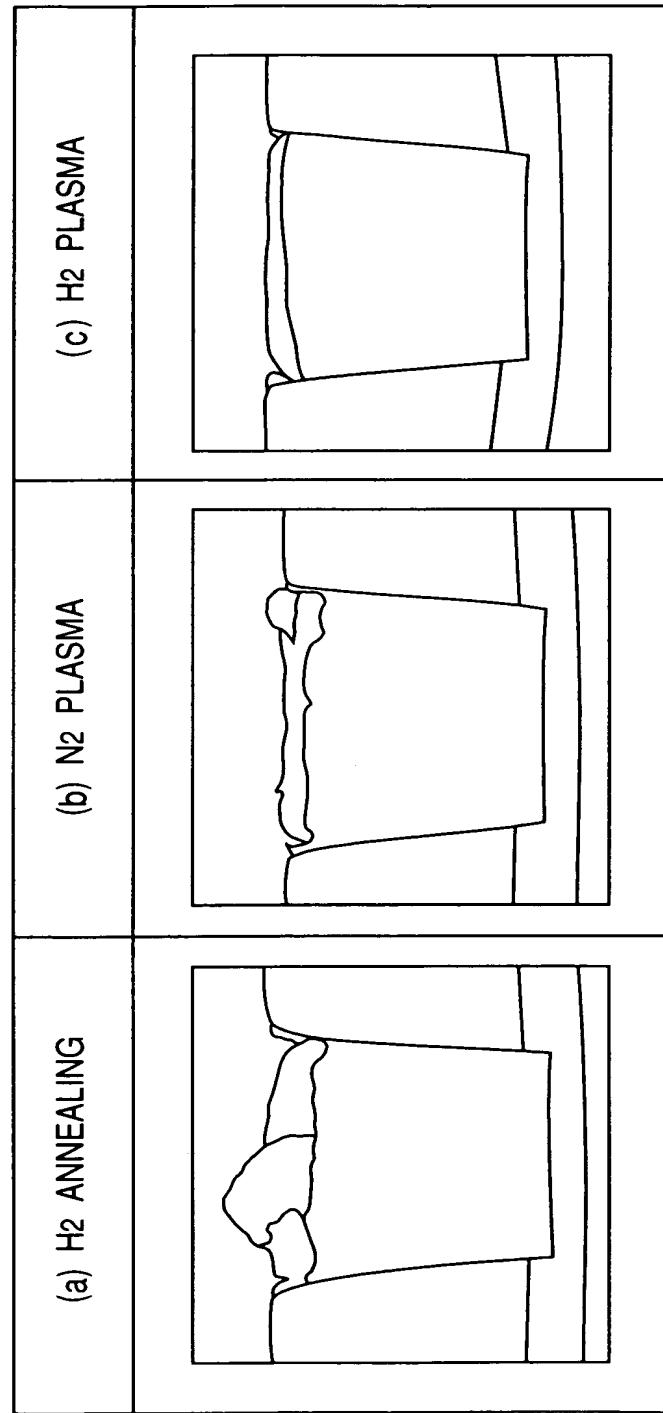


FIG. 31(a)

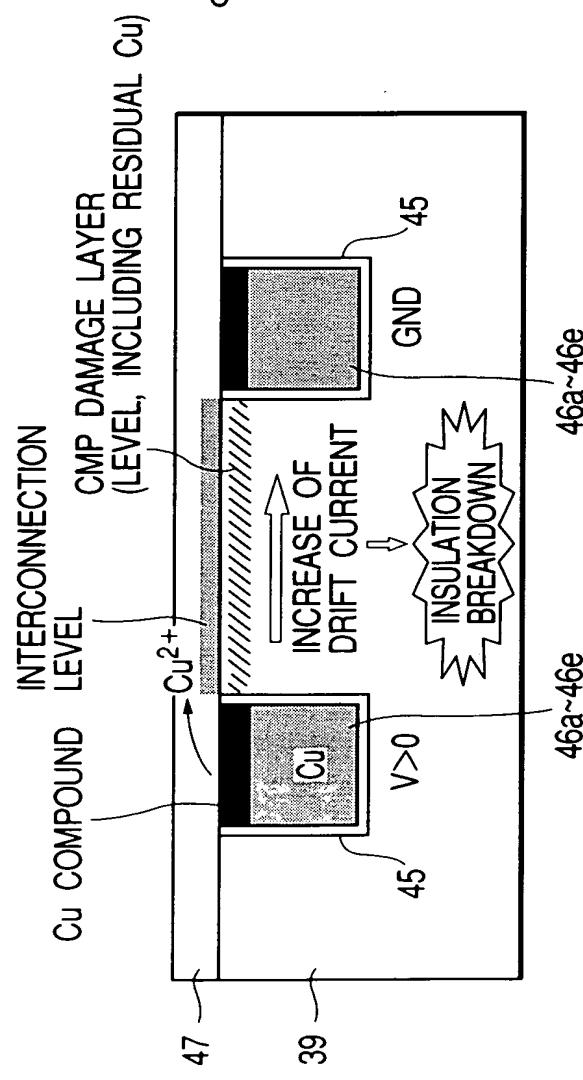


FIG. 31(b)

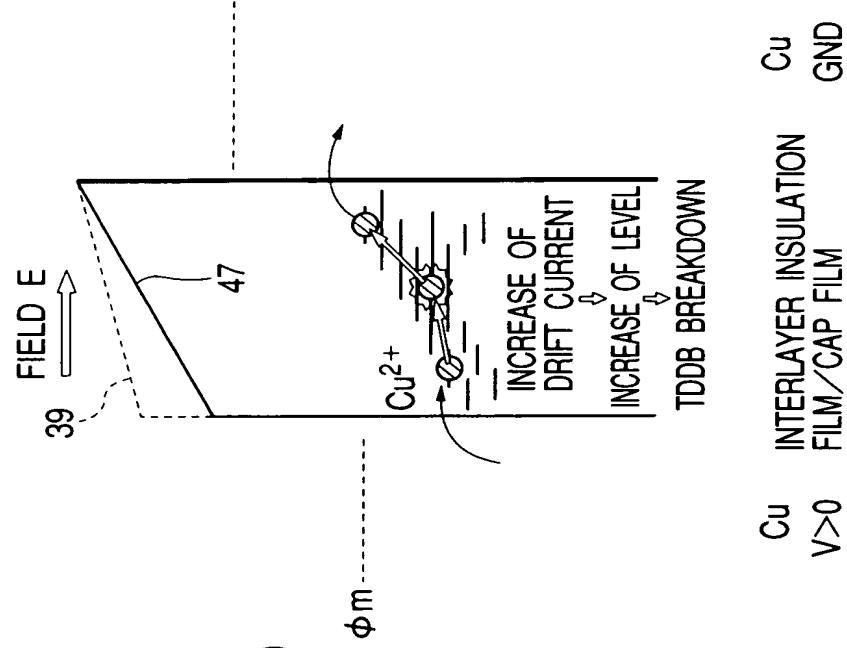


FIG. 32(a)

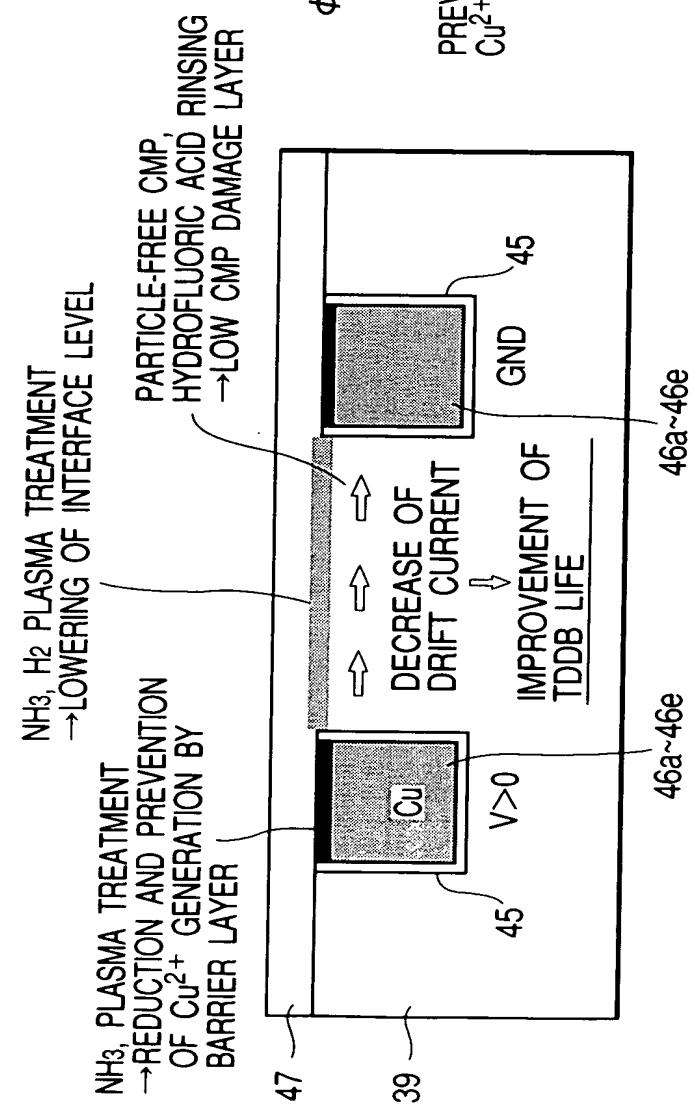


FIG. 32(b)

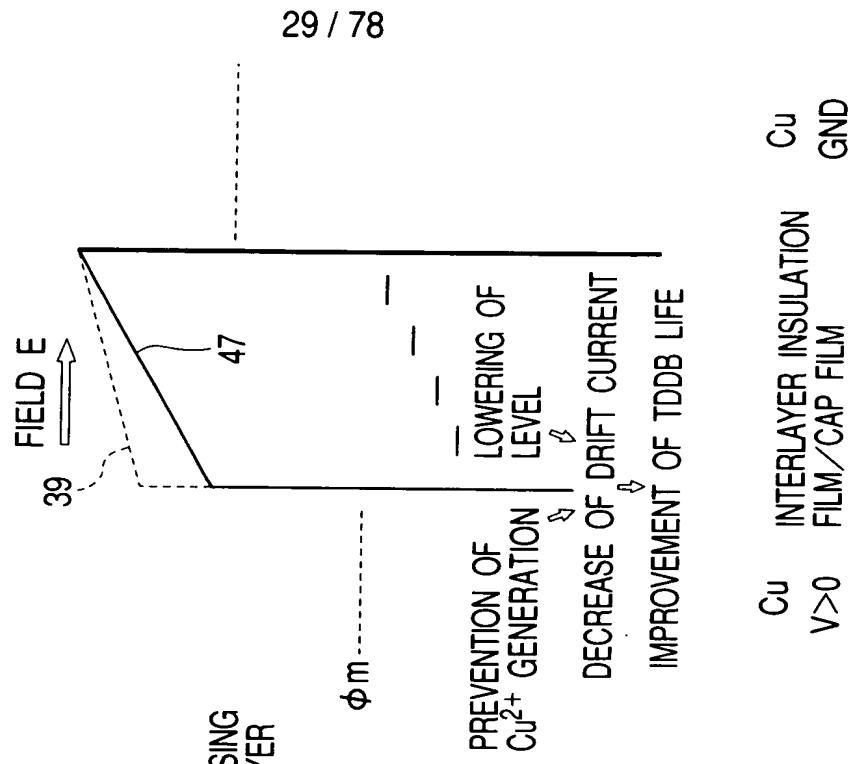


FIG. 33

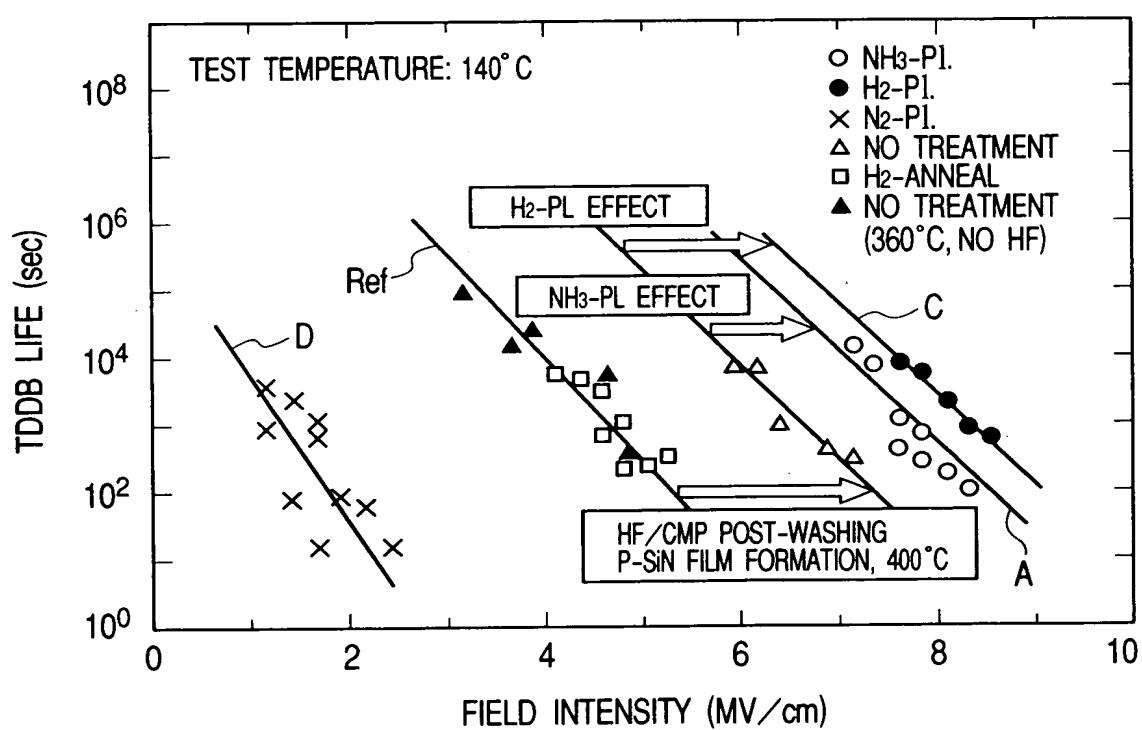


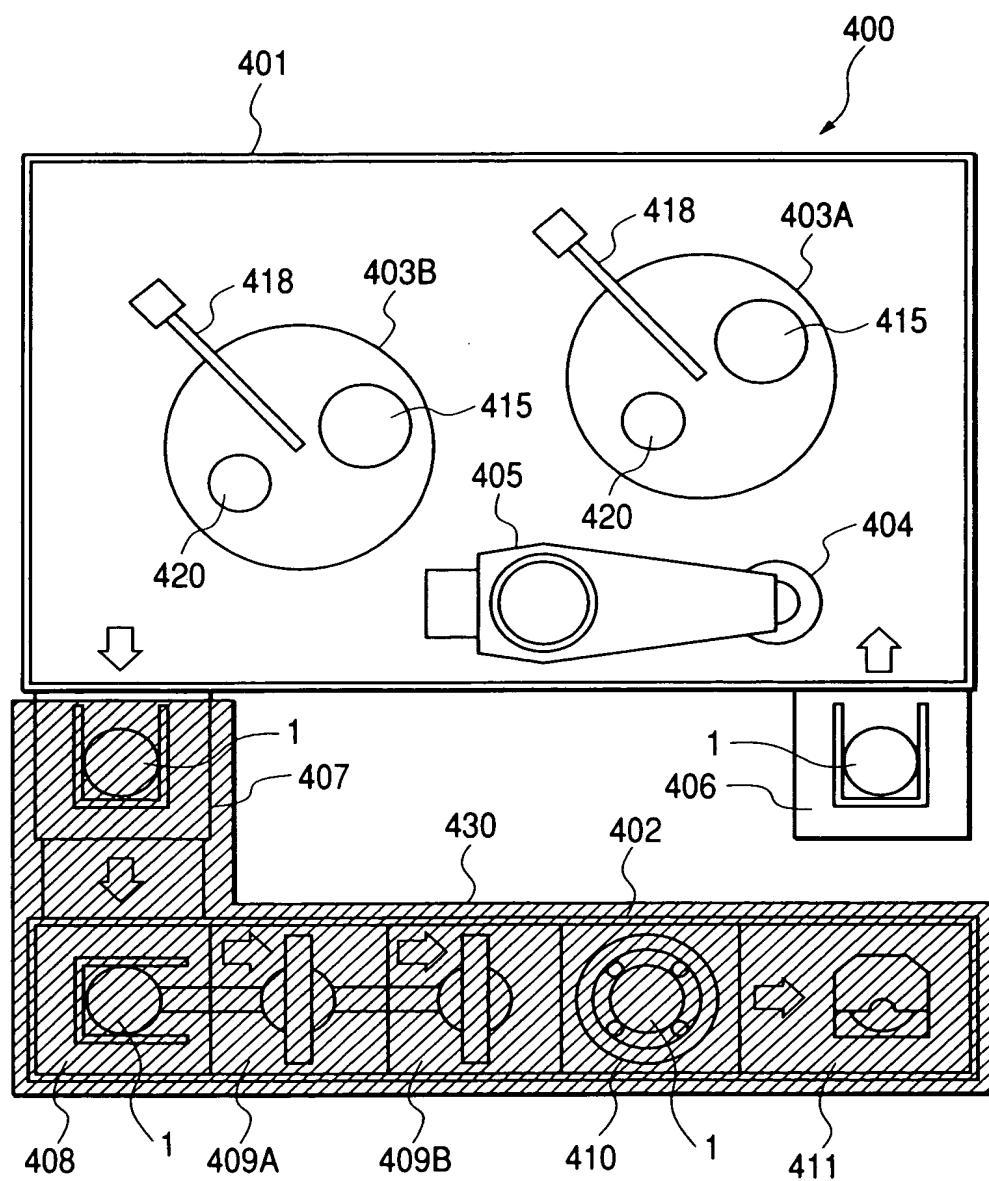
FIG. 34

FIG. 35

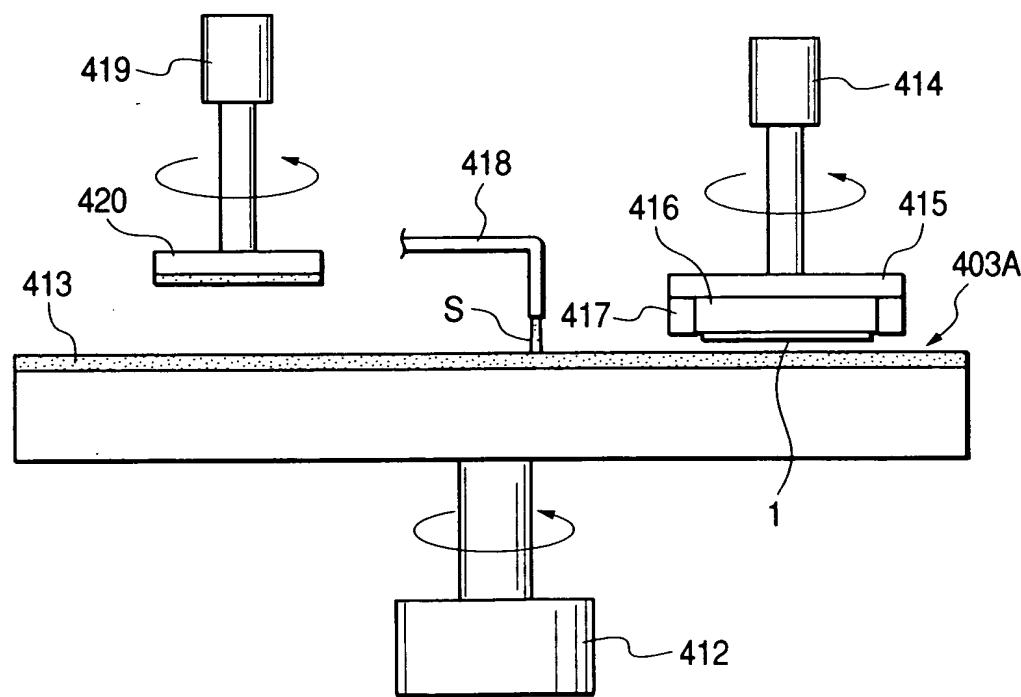


FIG. 36

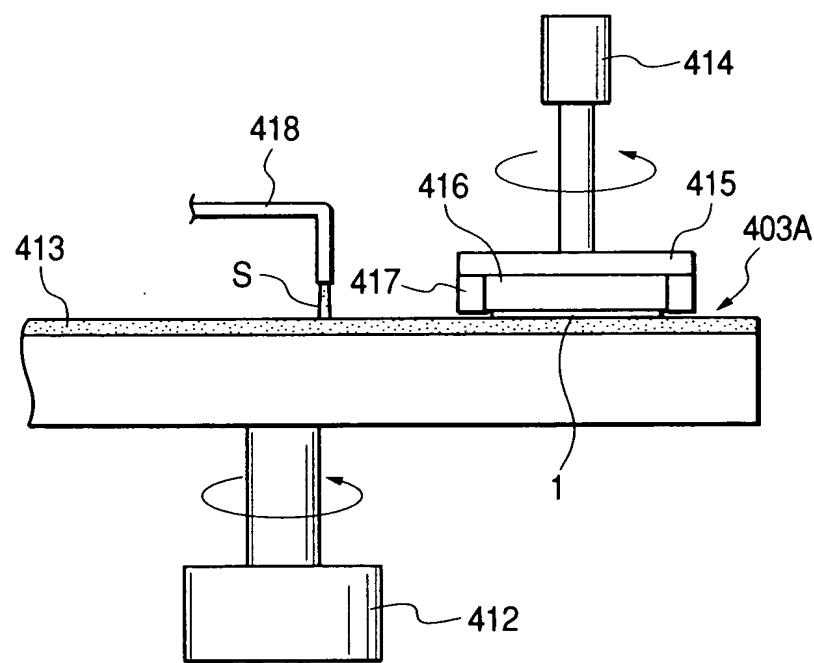


FIG. 37

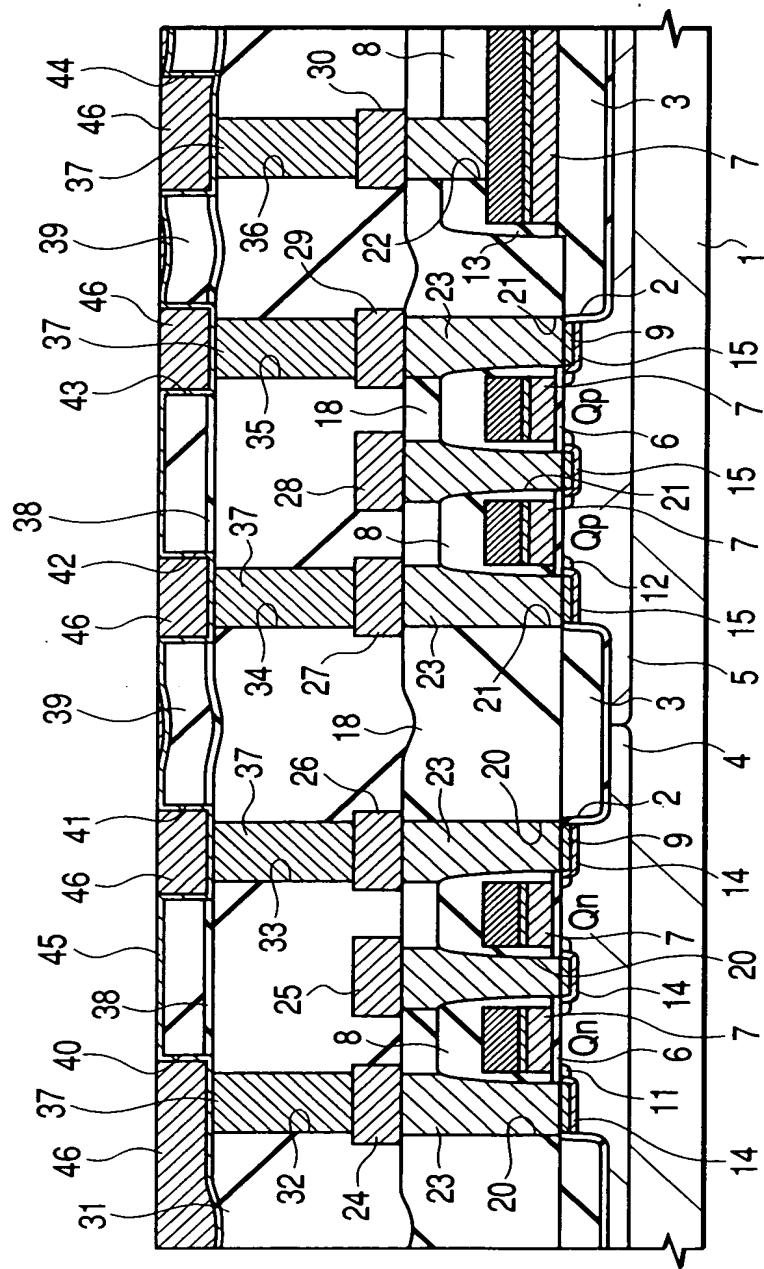


FIG. 38(a)

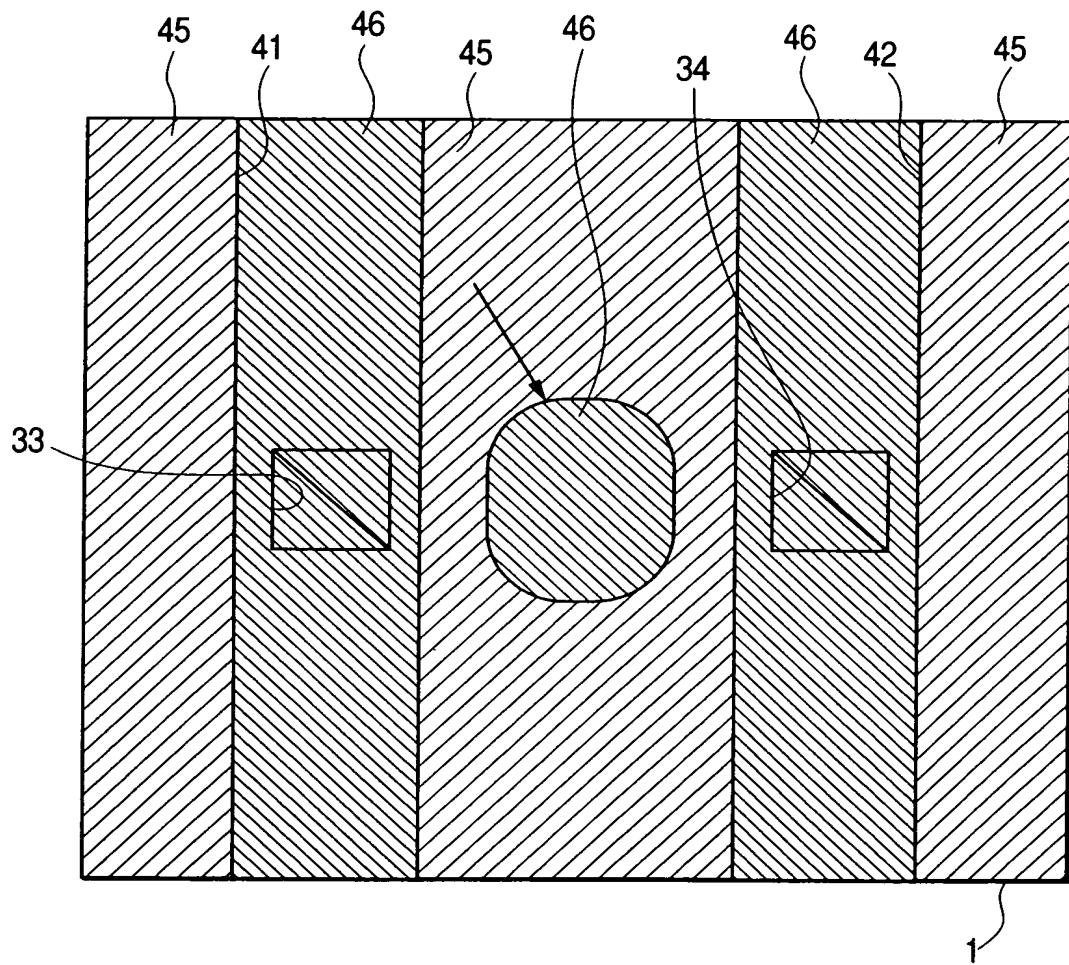


FIG. 38(b)

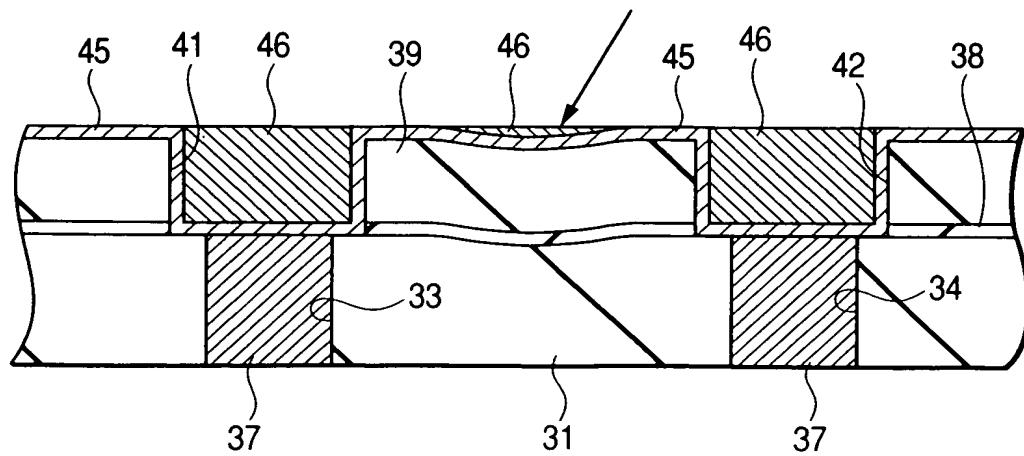


FIG. 39

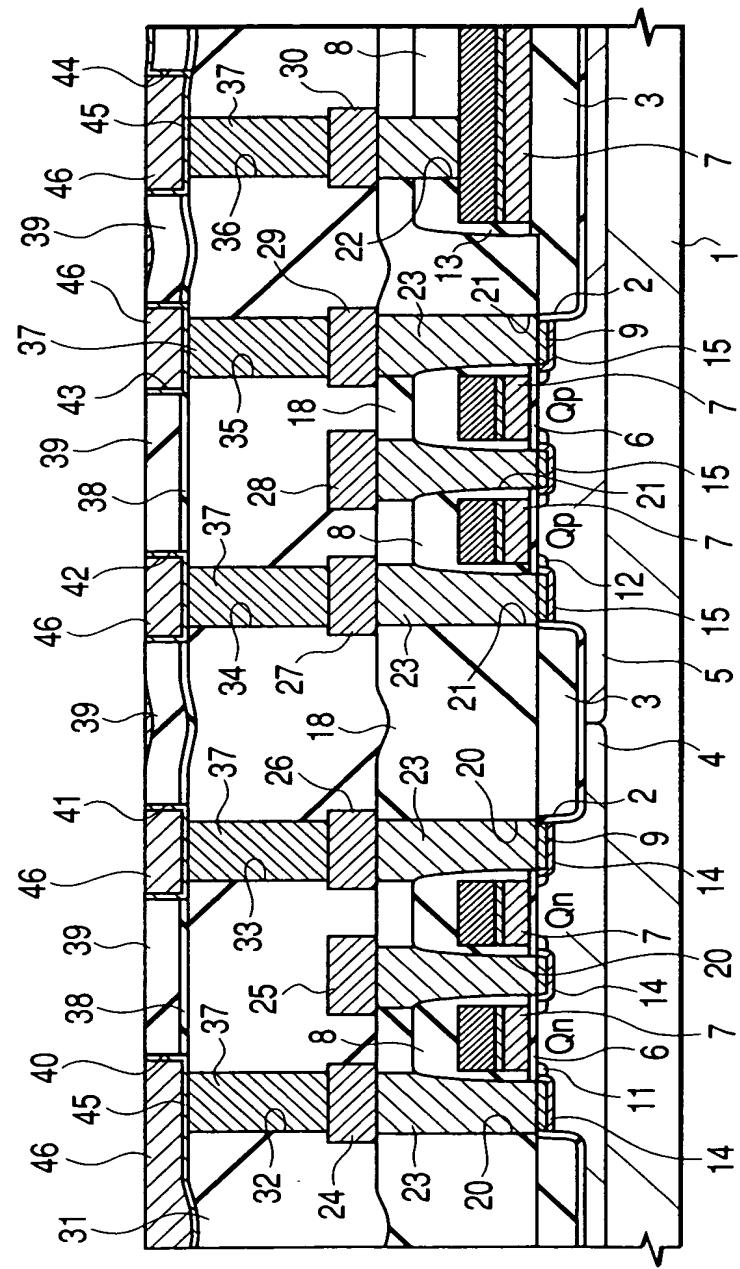


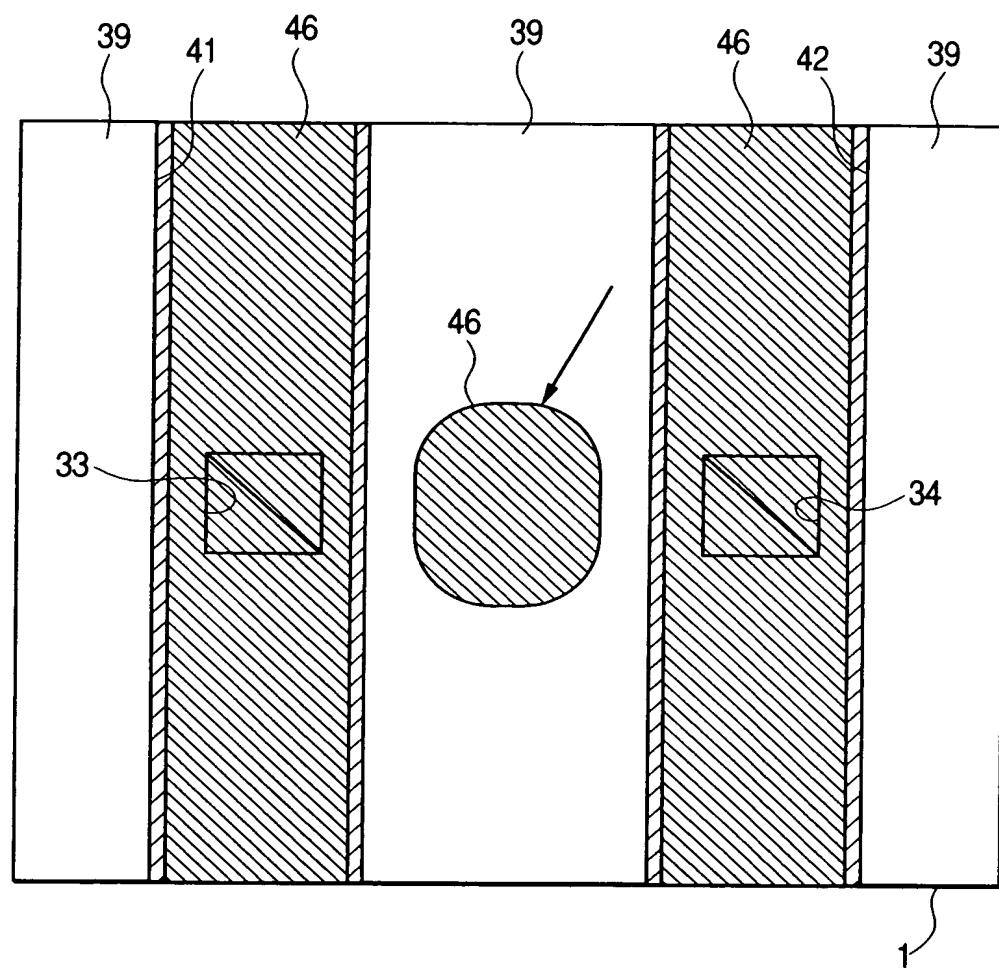
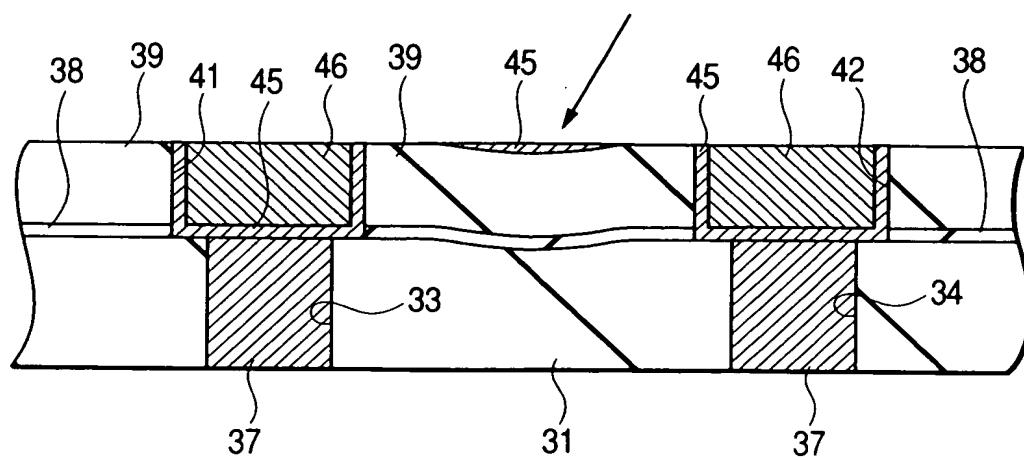
FIG. 40(a)***FIG. 40(b)***

FIG. 41

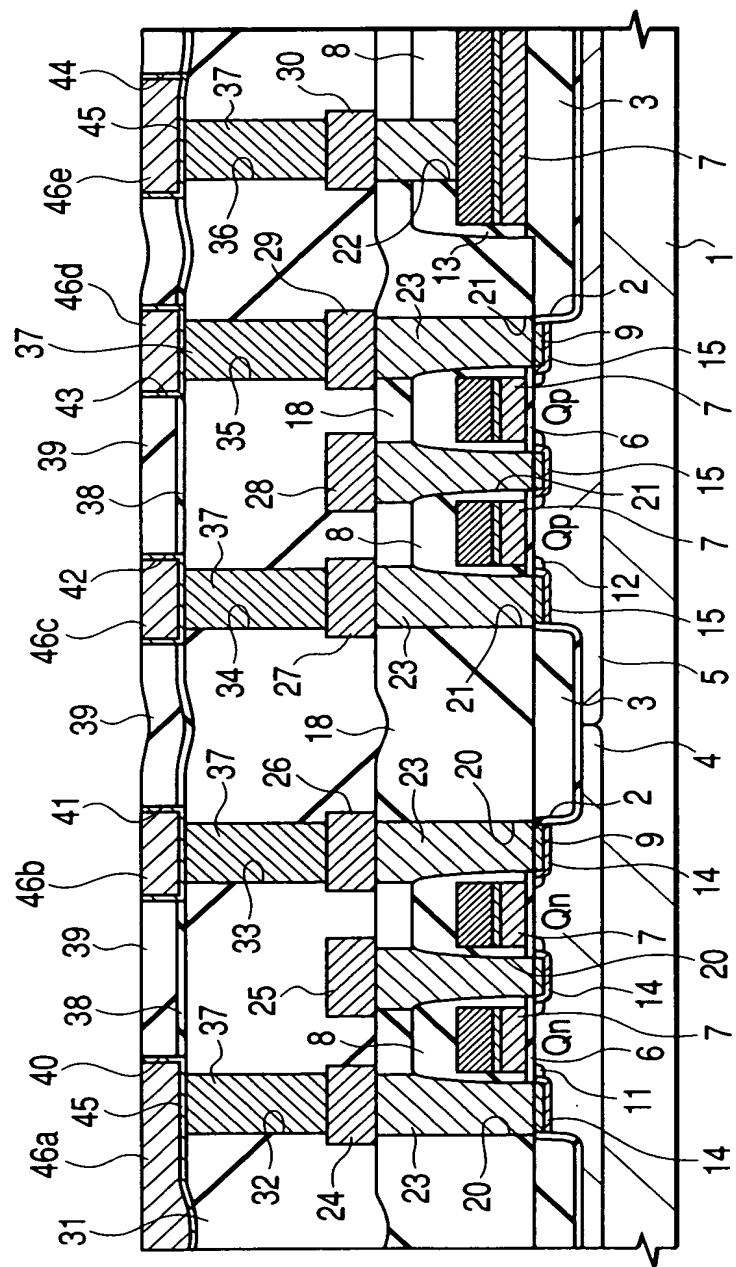


FIG. 42(a)

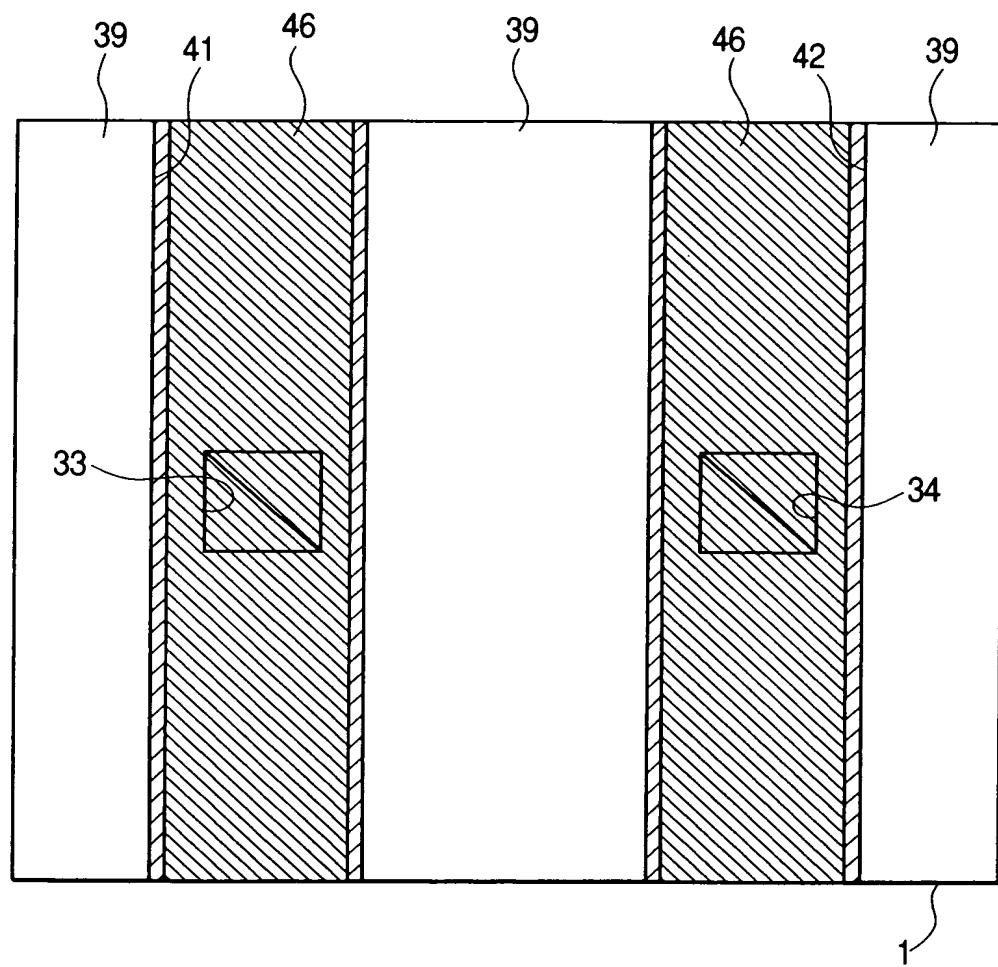


FIG. 42(b)

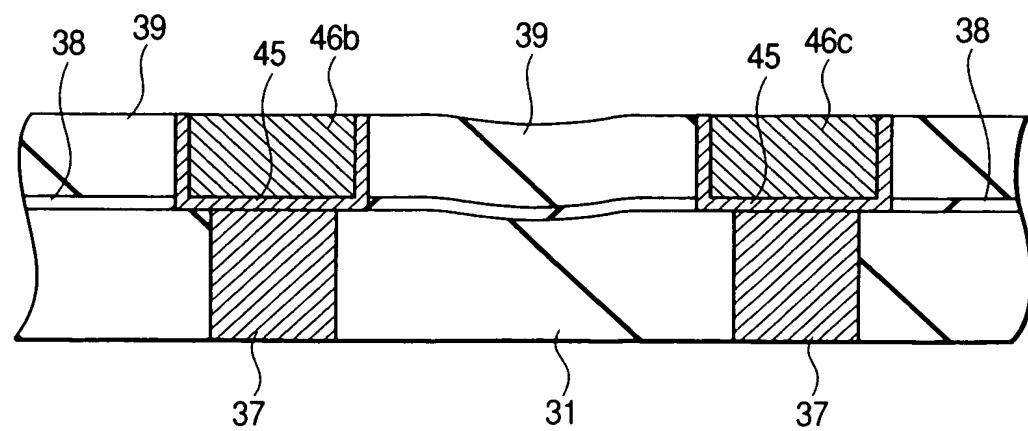


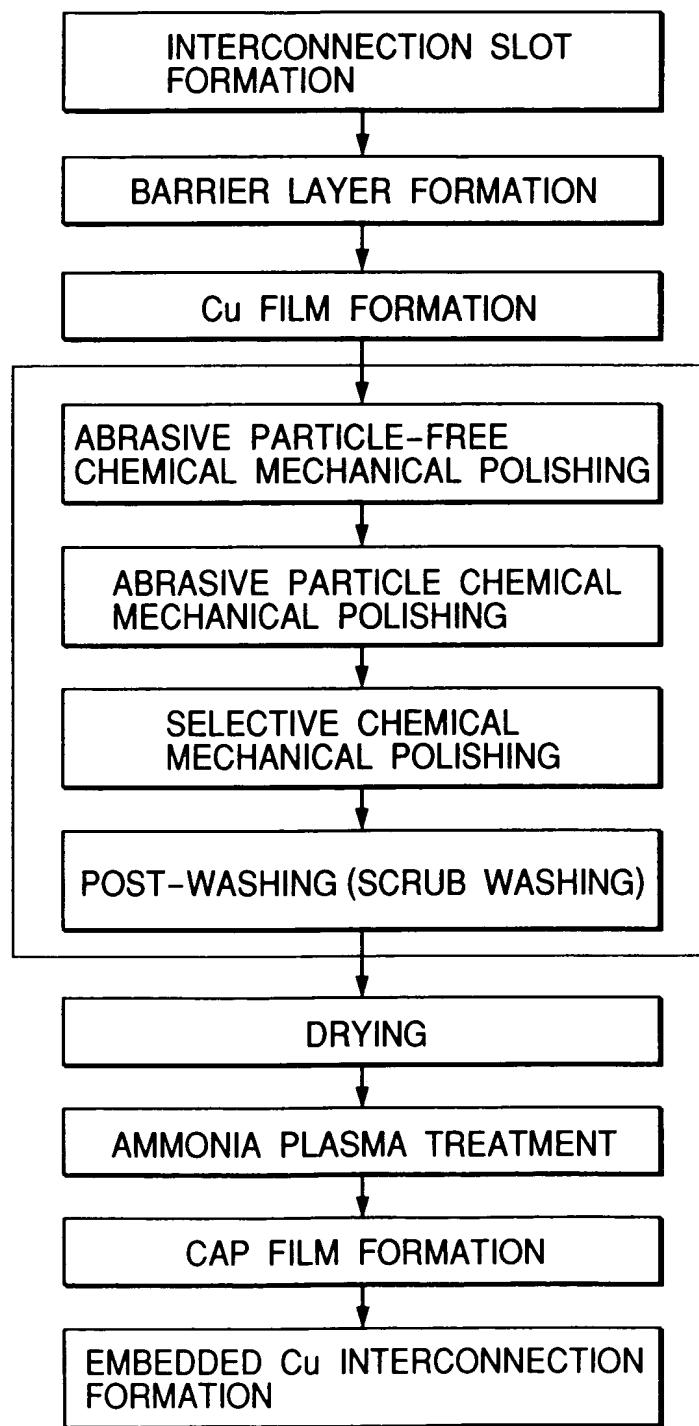
FIG. 43

FIG. 44

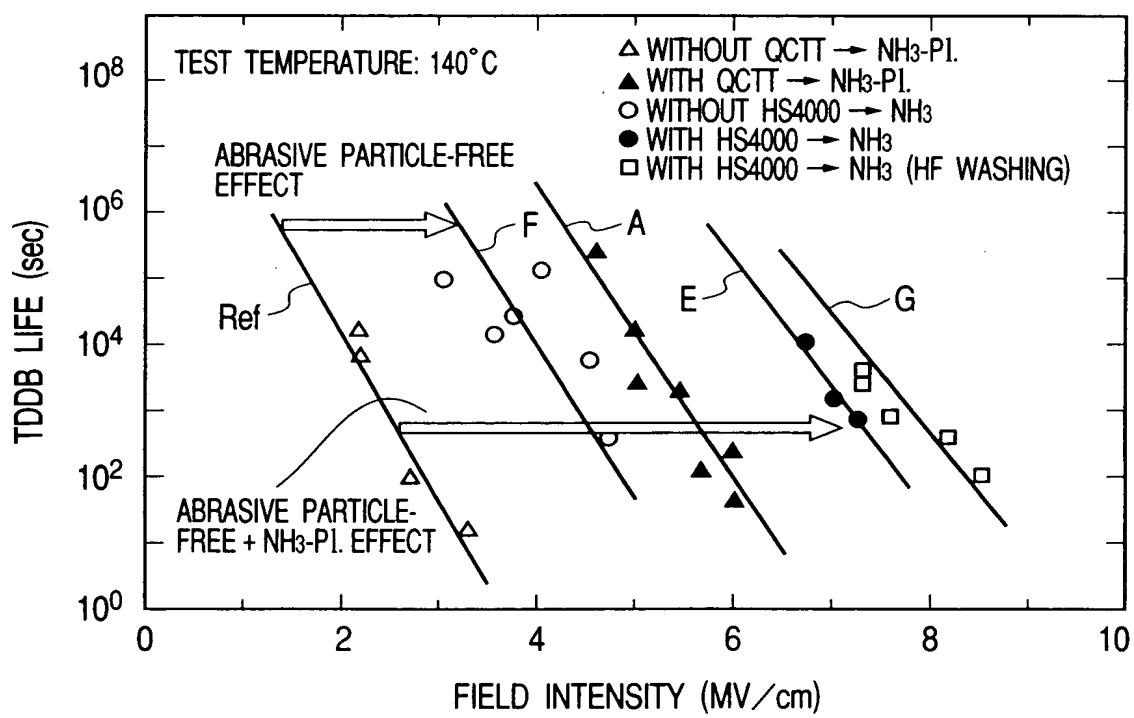


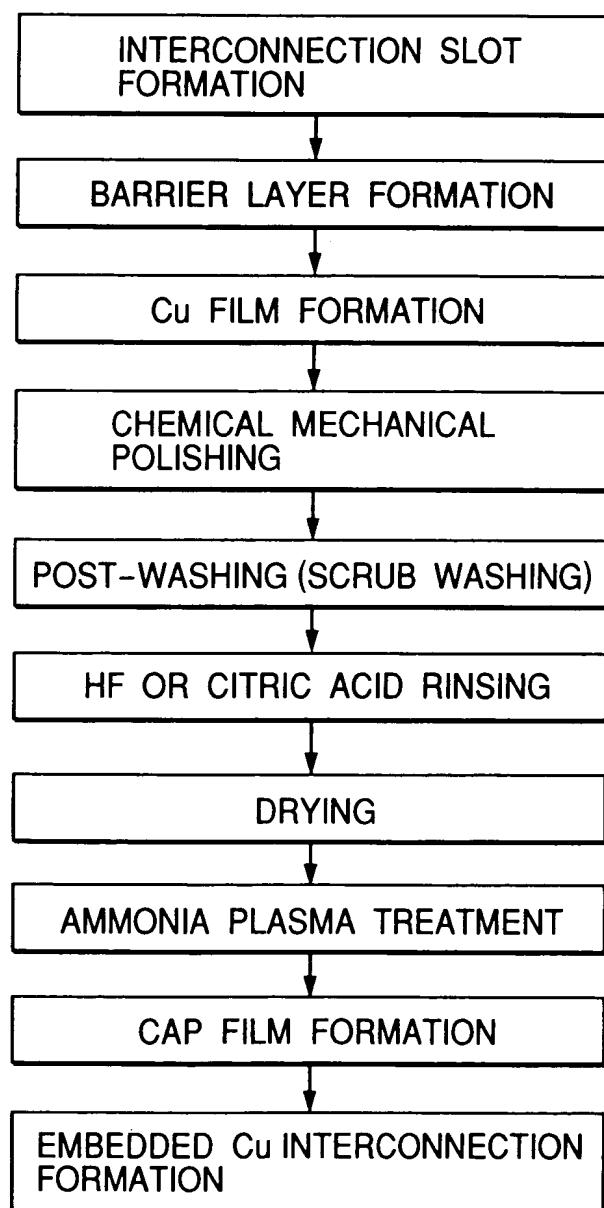
FIG. 45

FIG. 46

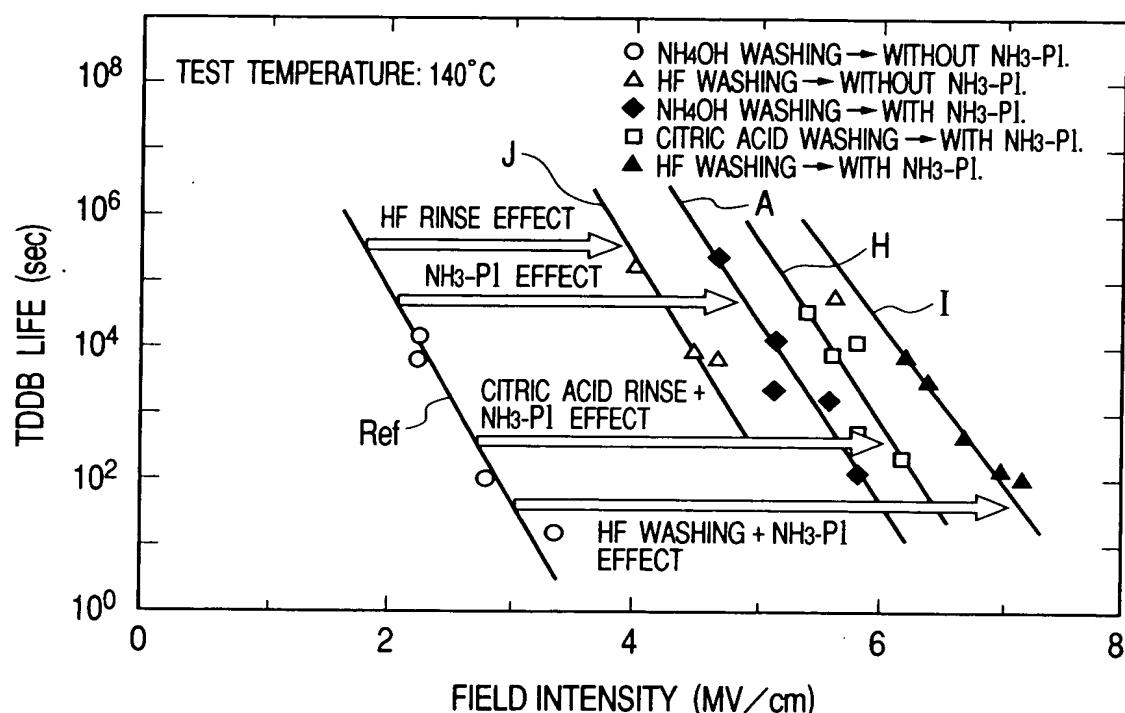


FIG. 47

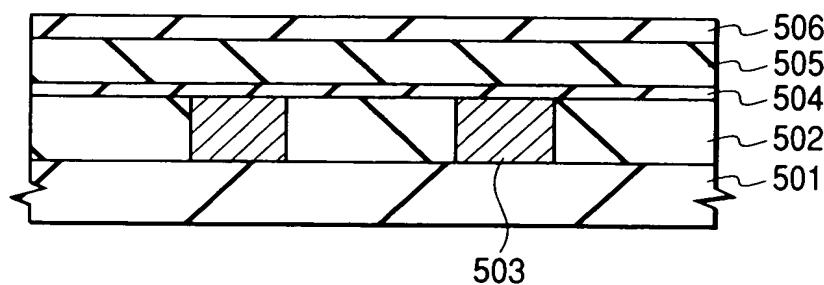


FIG. 48(a)

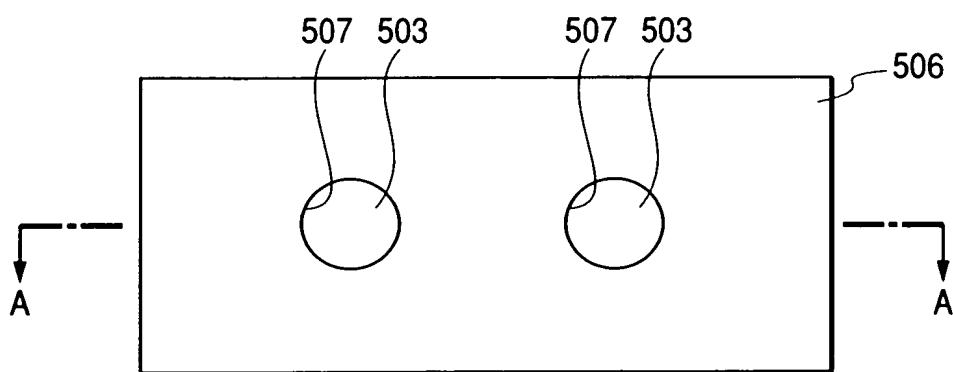


FIG. 48(b)

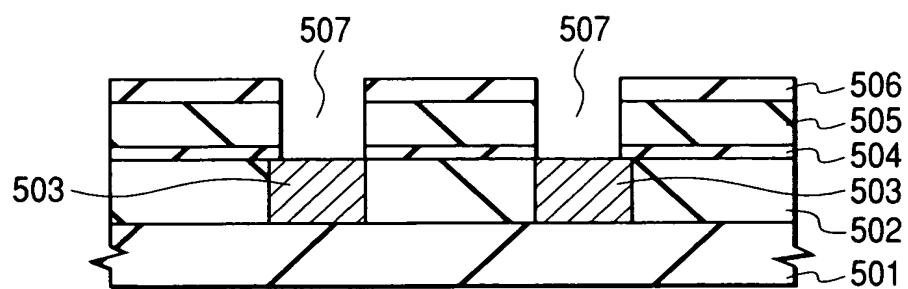
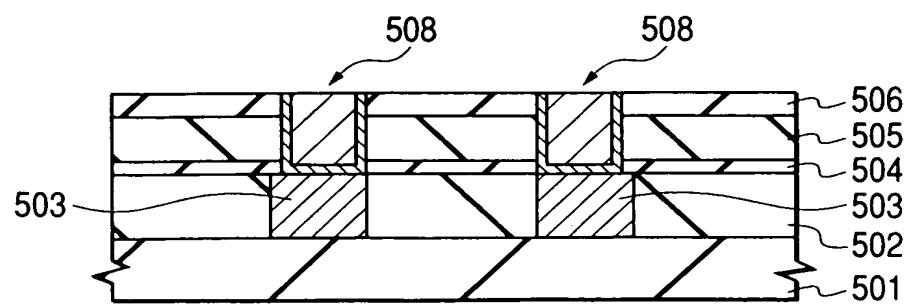


FIG. 49



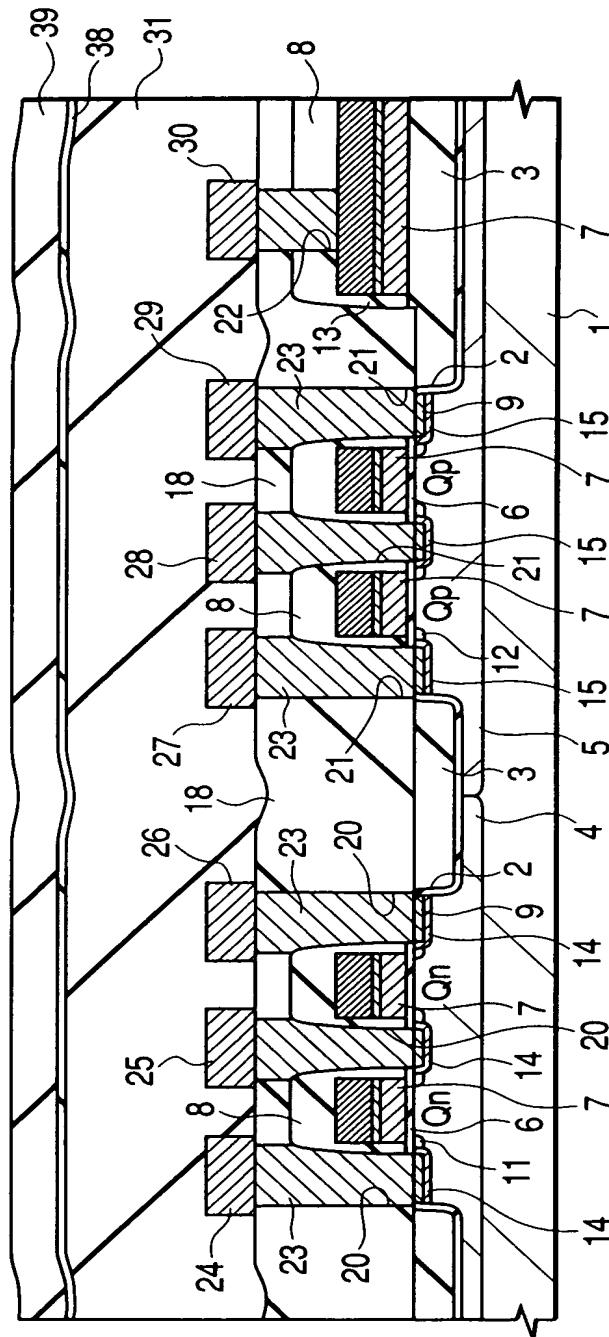


FIG. 50

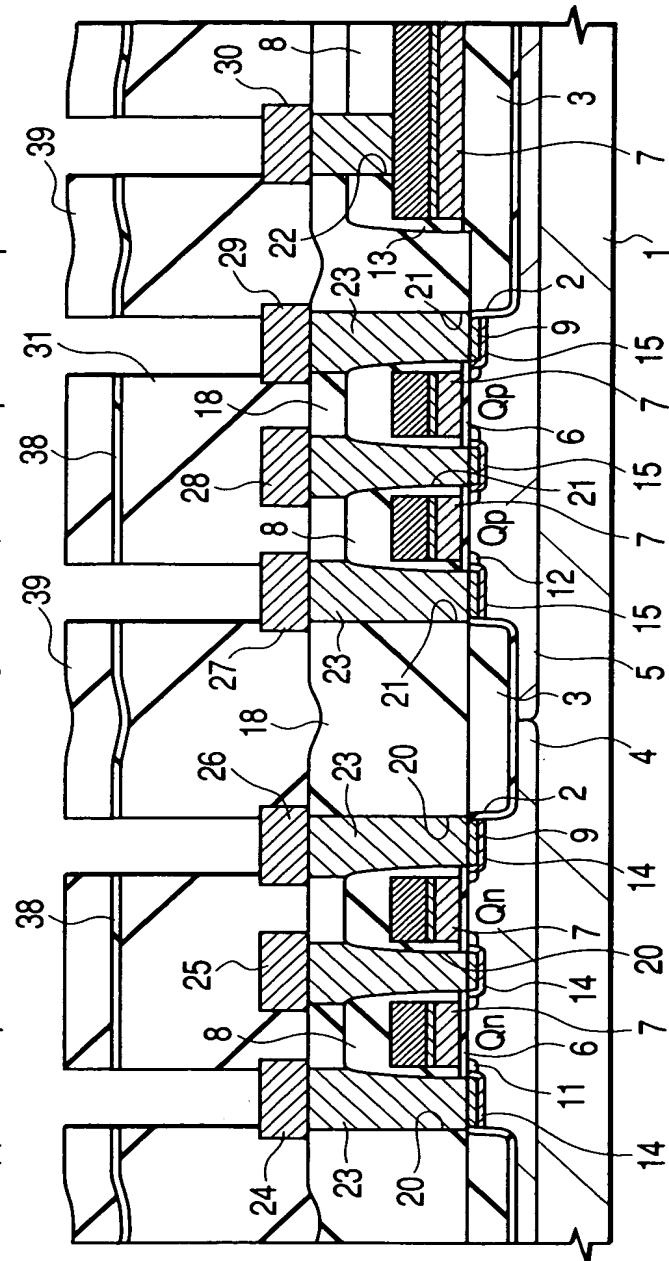


FIG. 51

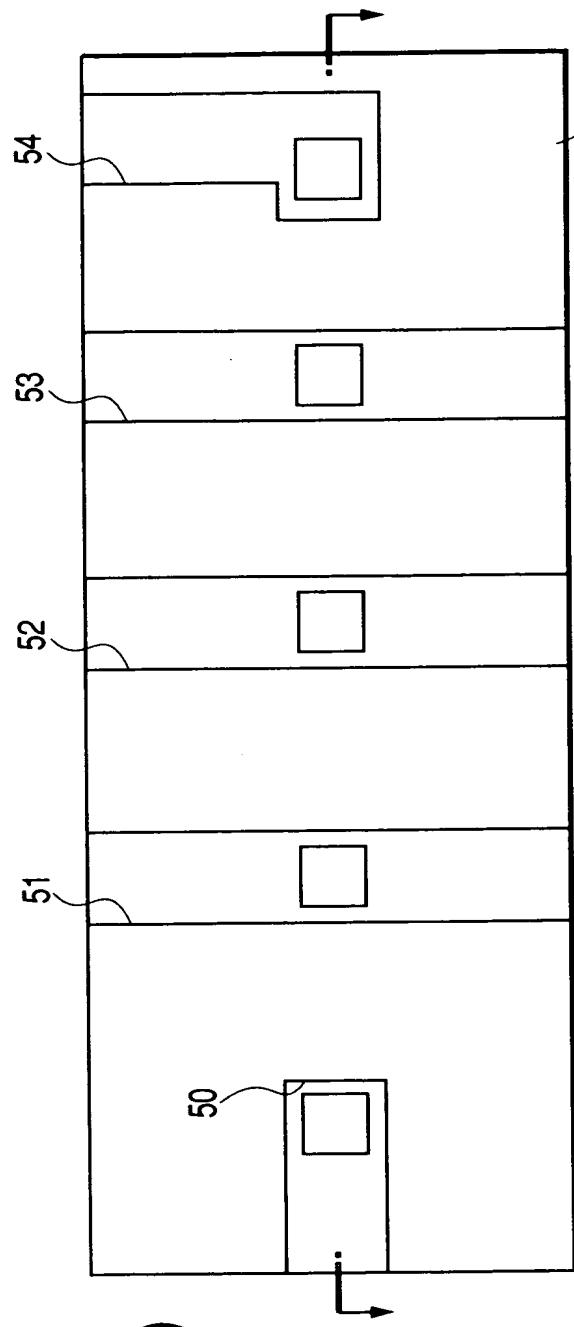


FIG. 52(a)

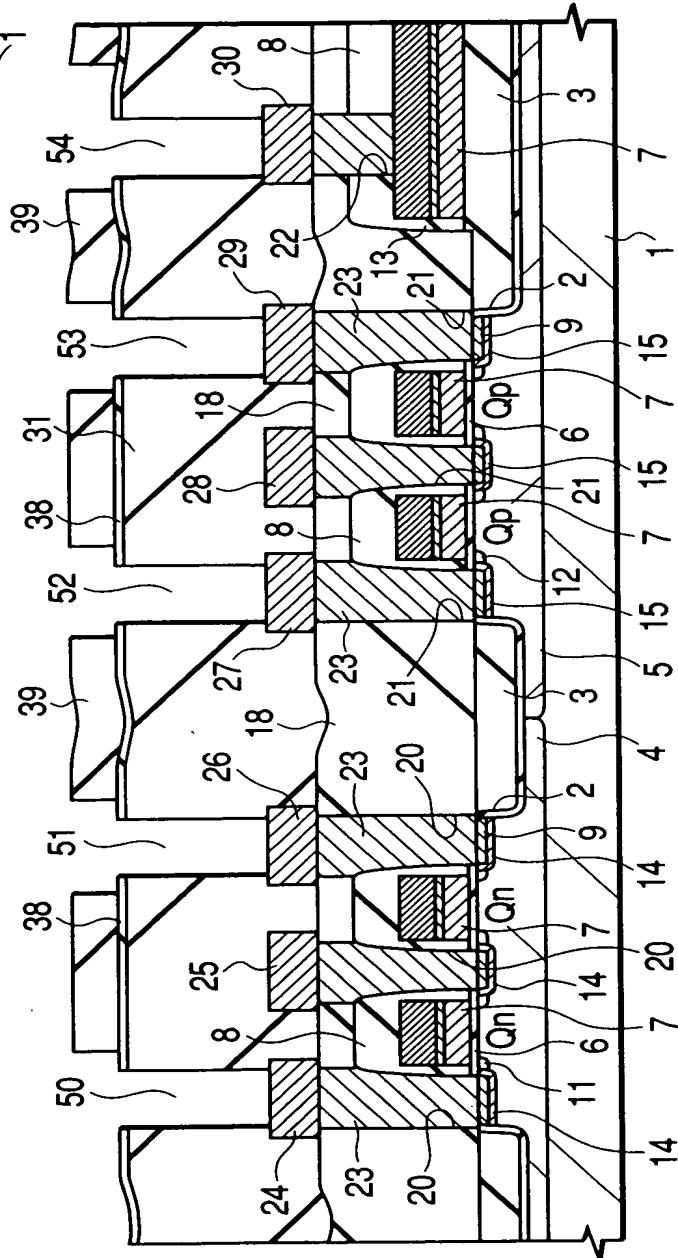


FIG. 52(b)

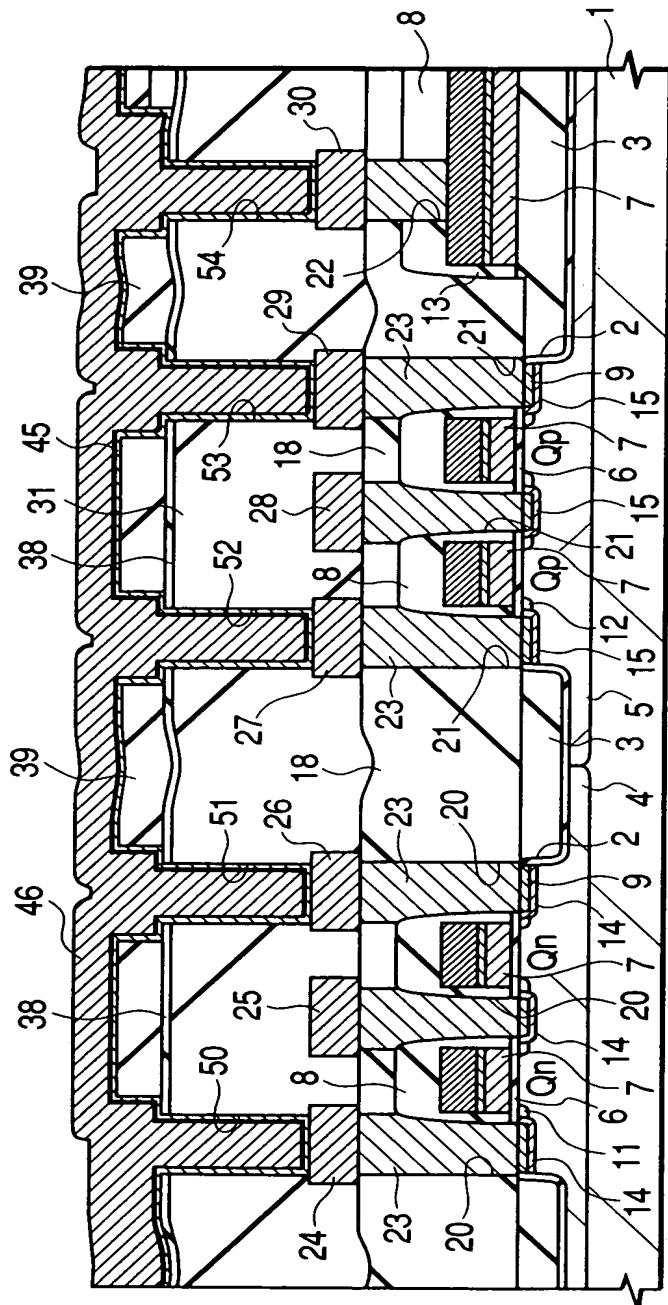


FIG. 53

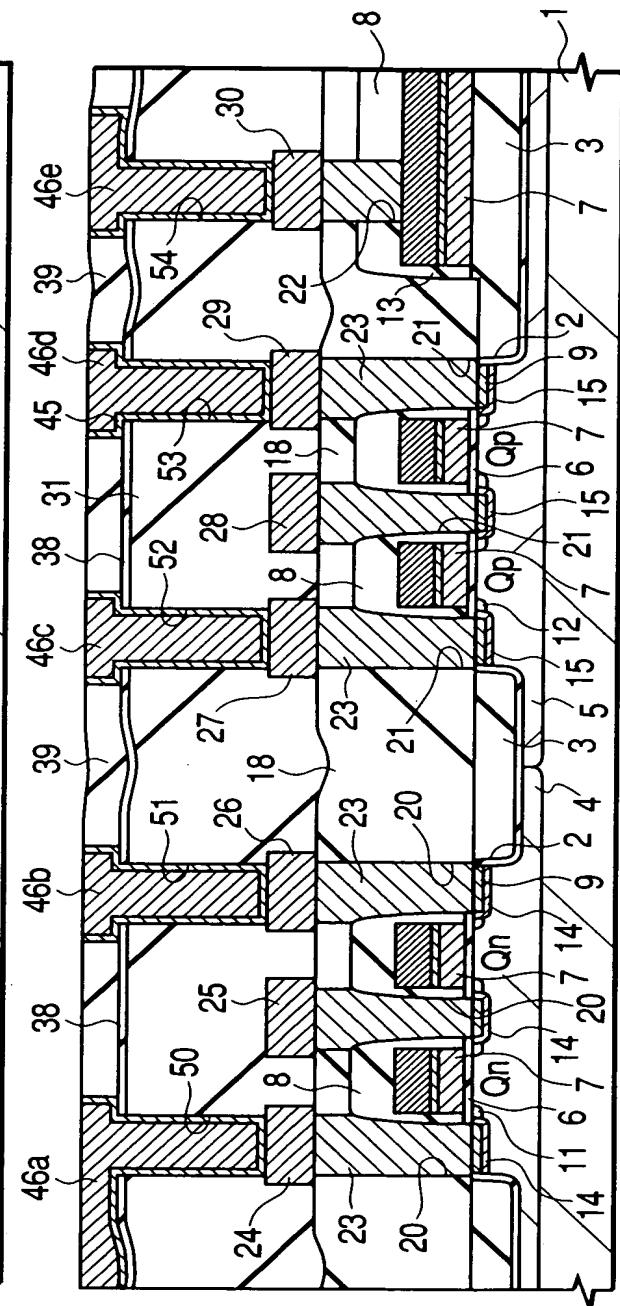


FIG. 54

FIG. 55

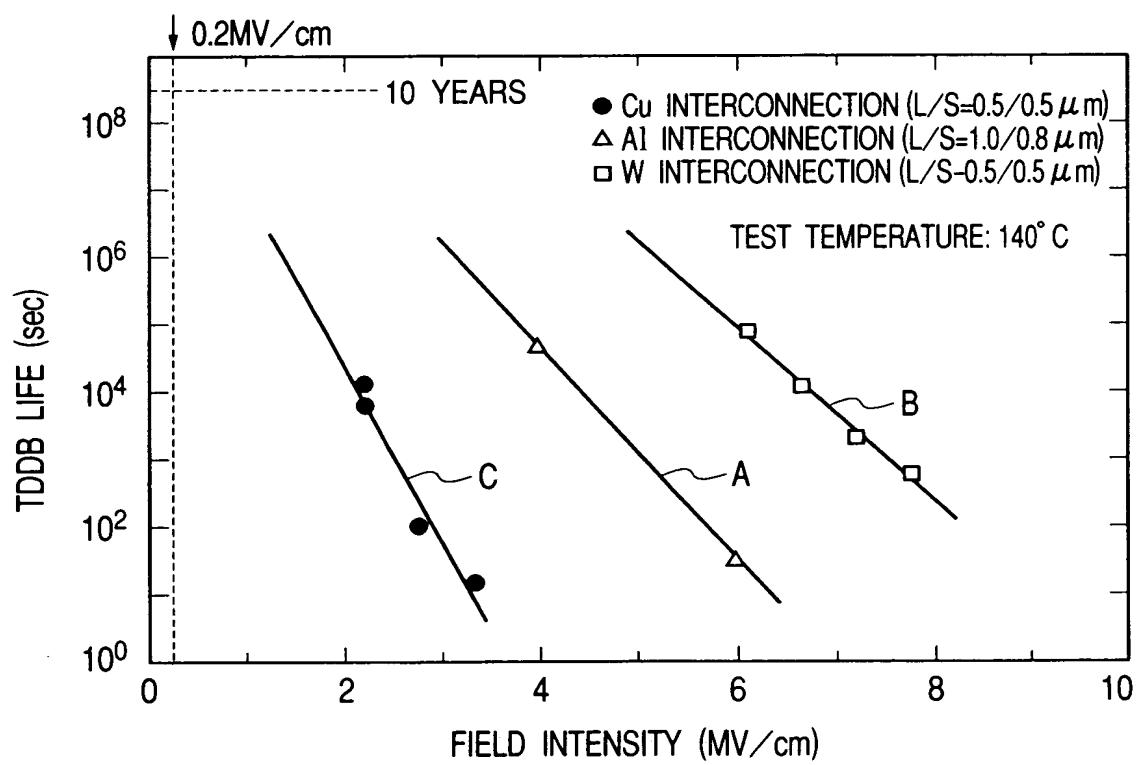


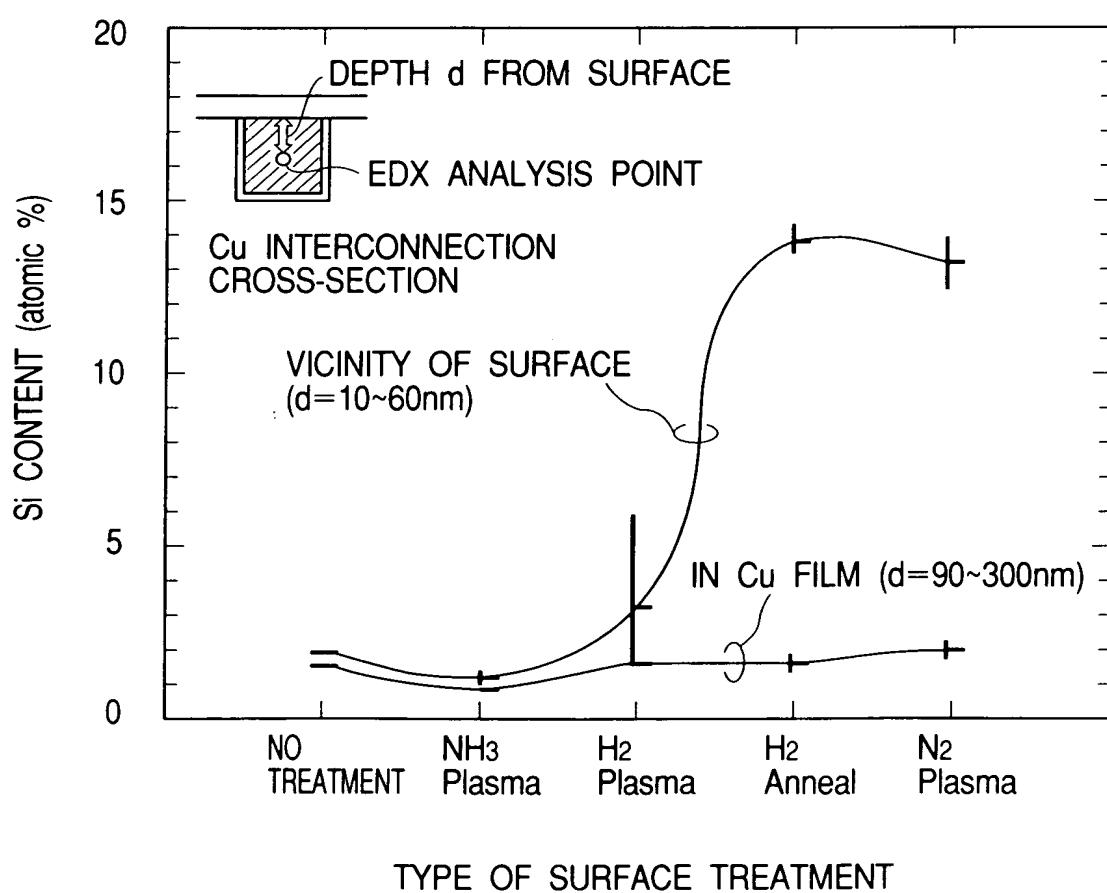
FIG. 56

FIG. 57

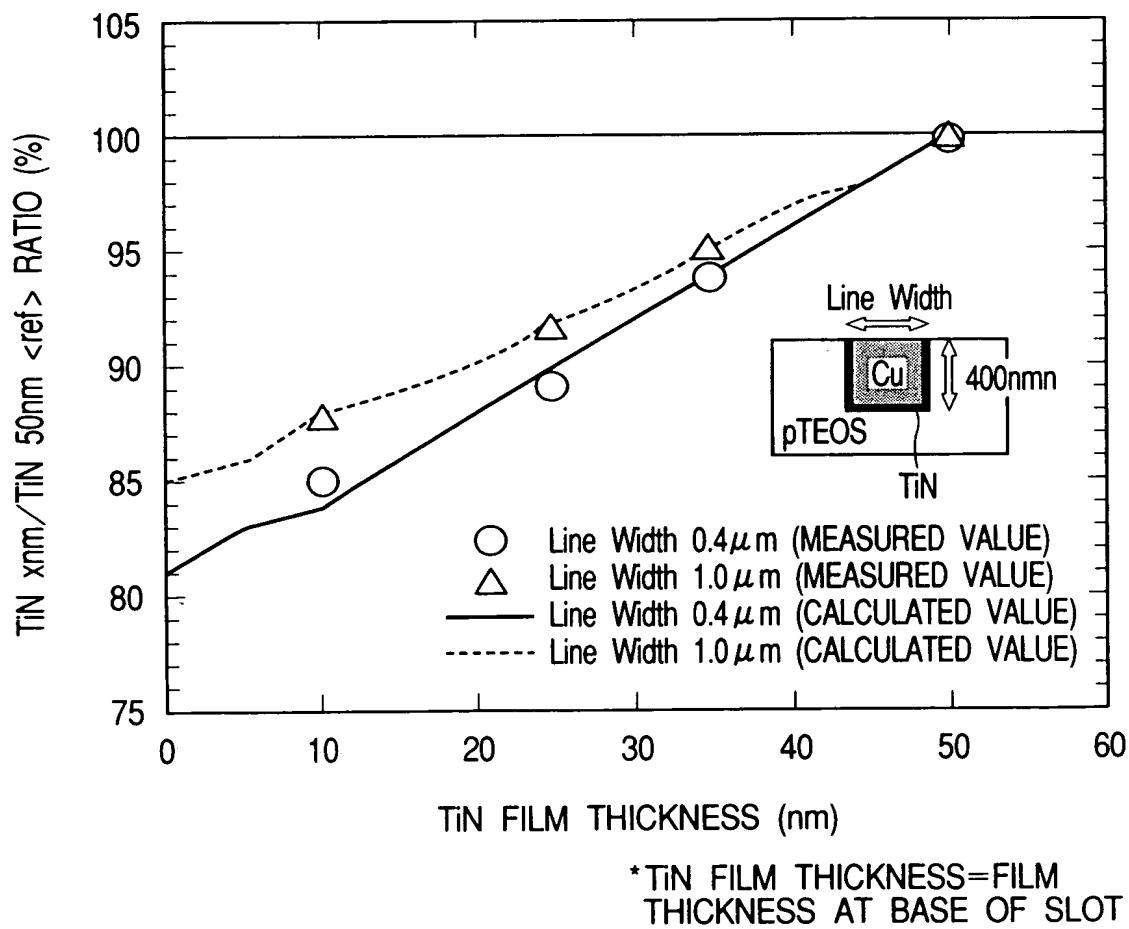


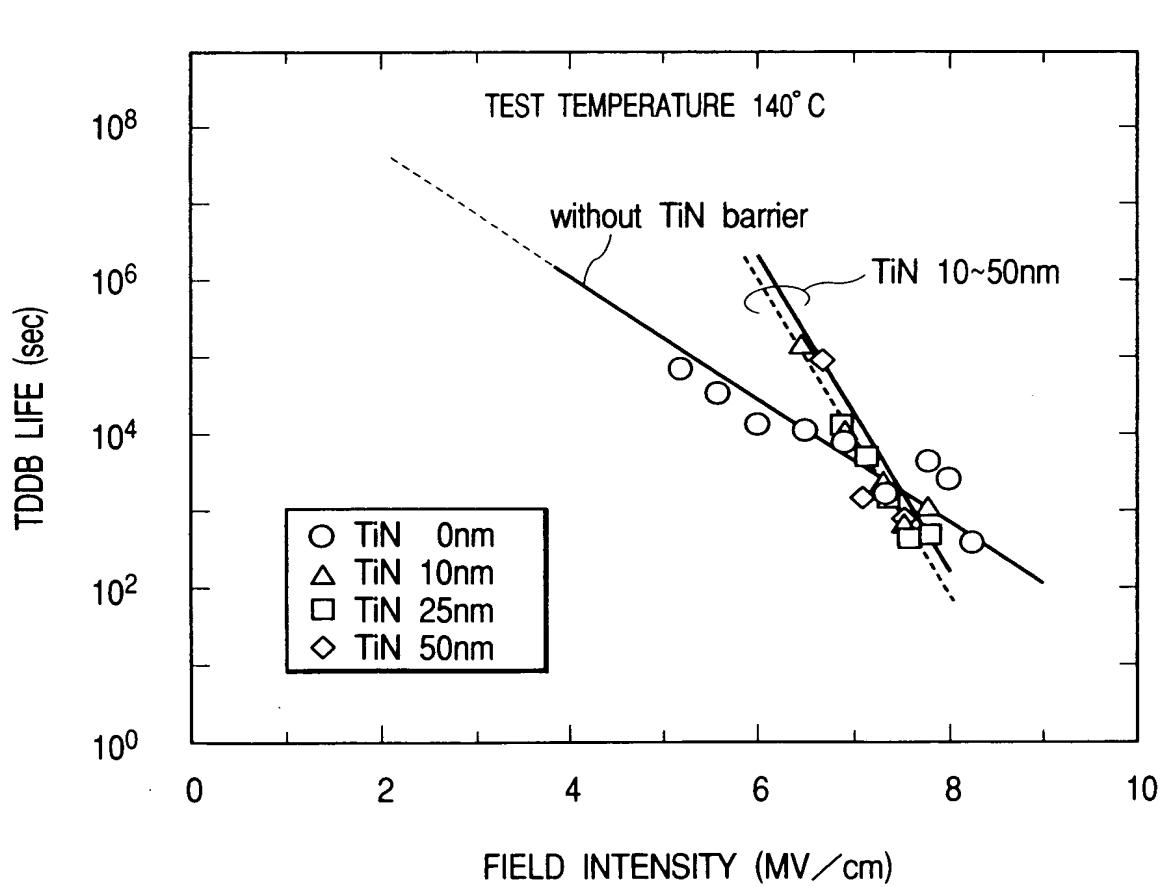
FIG. 58

FIG. 59

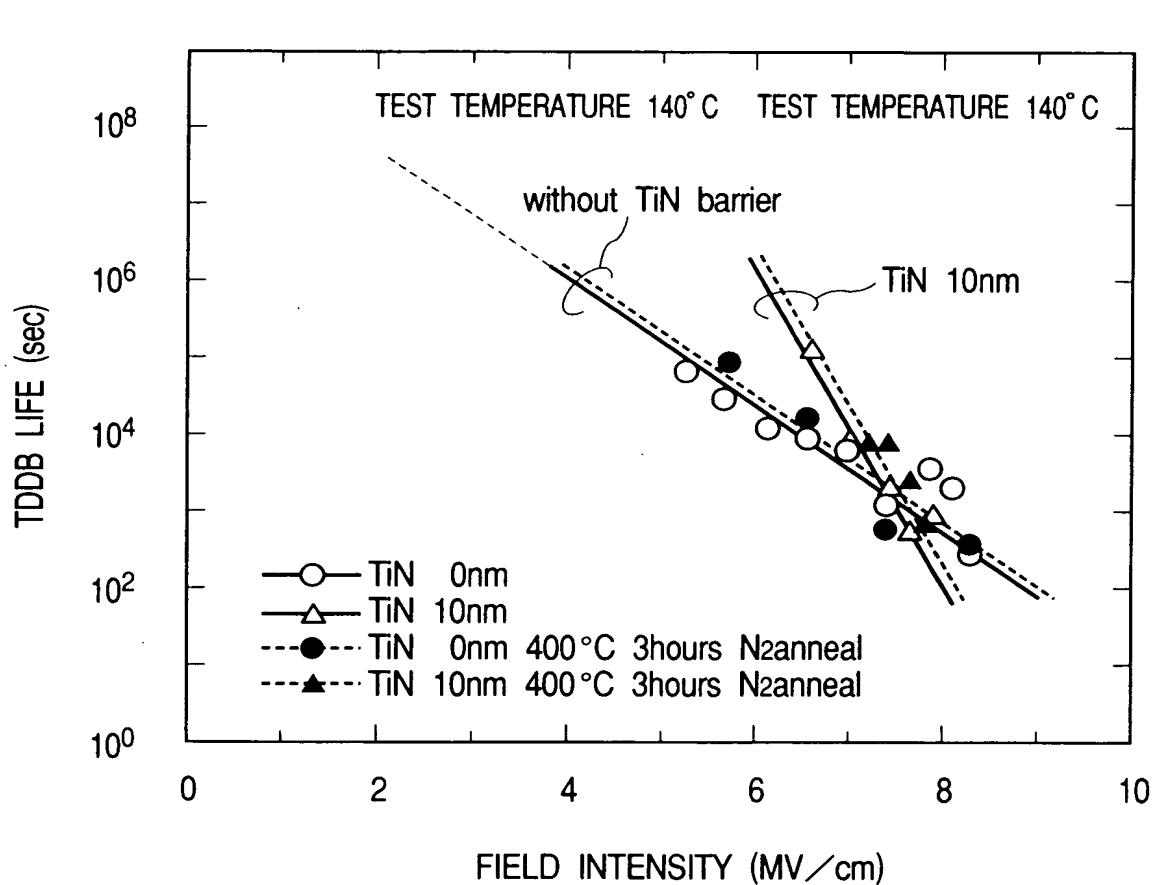


FIG. 60(a)

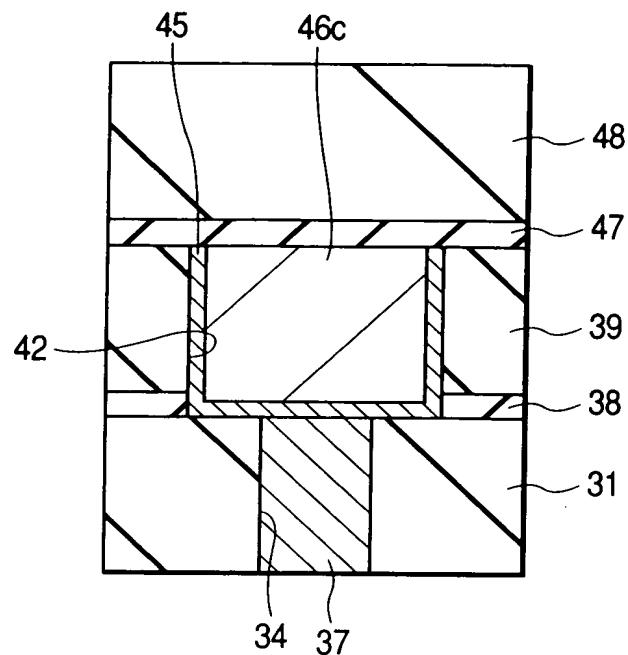


FIG. 60(b)

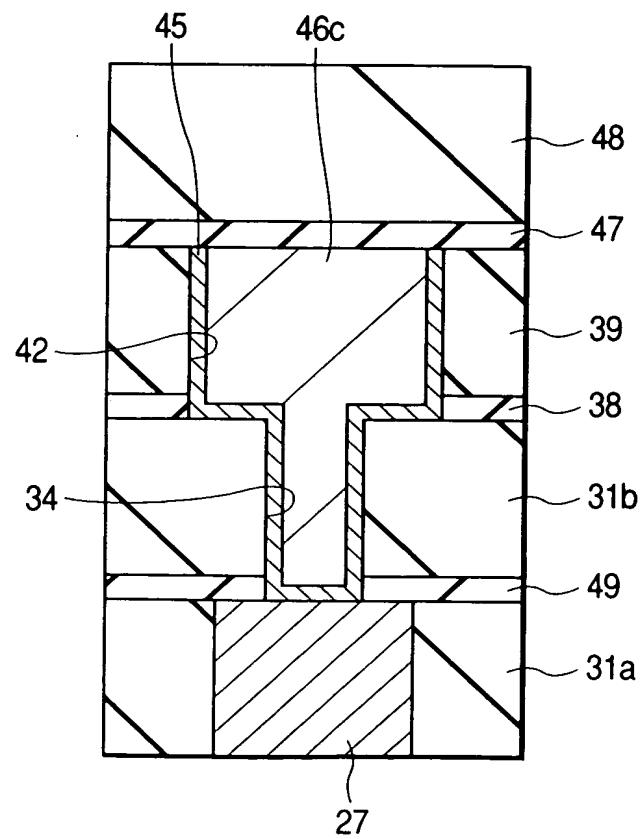


FIG. 61(a)

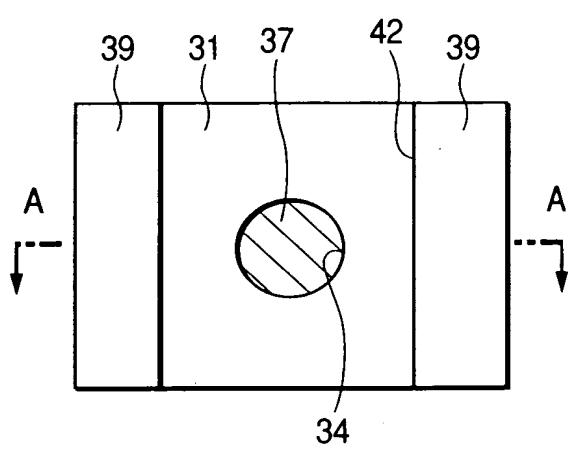


FIG. 61(b)

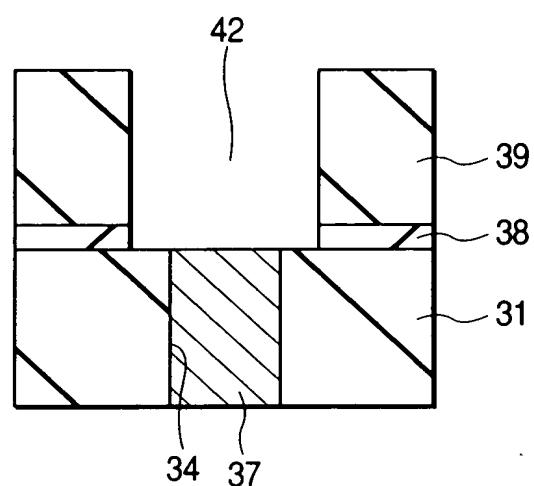


FIG. 62(a)

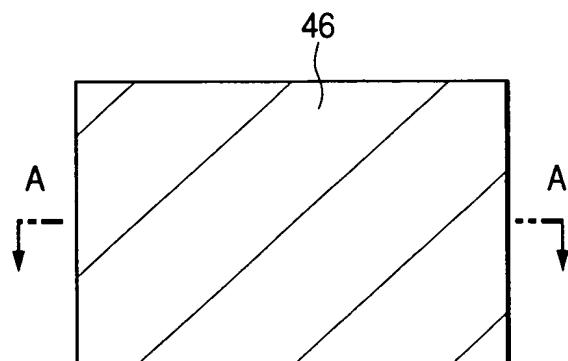


FIG. 62(b)

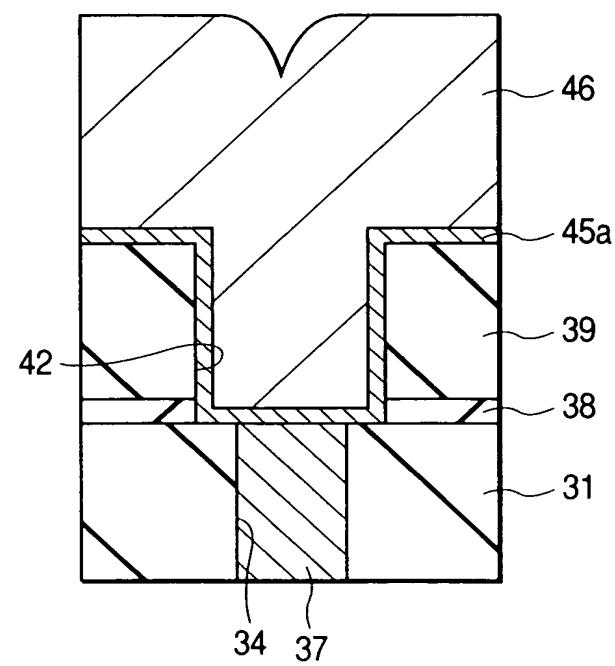


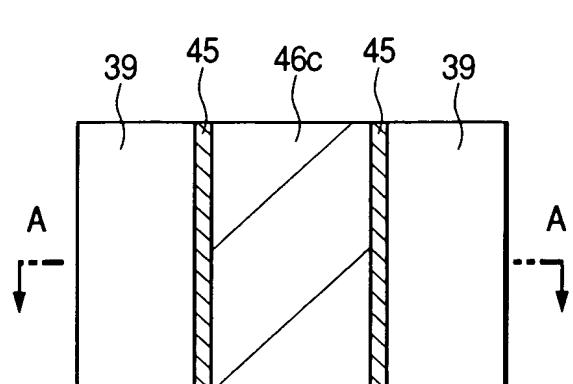
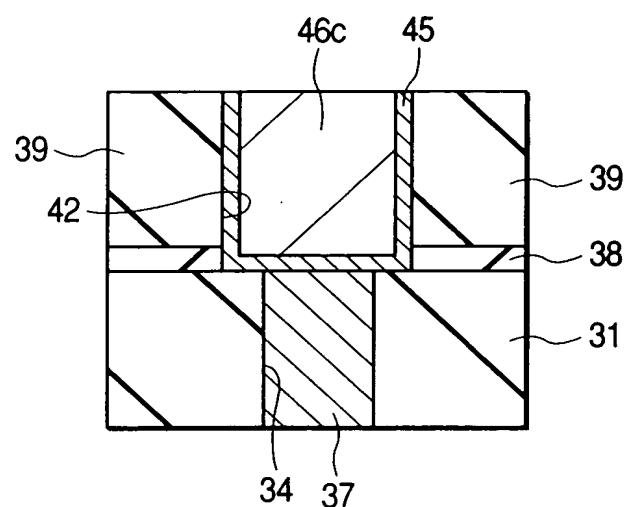
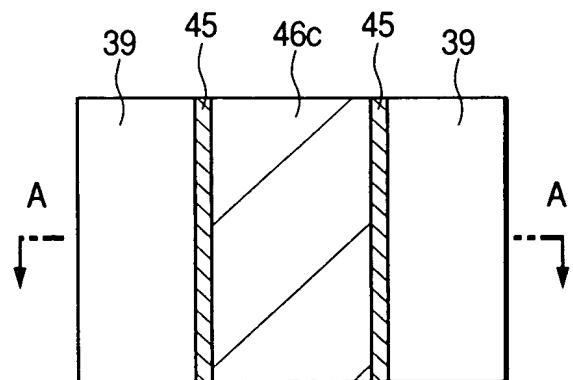
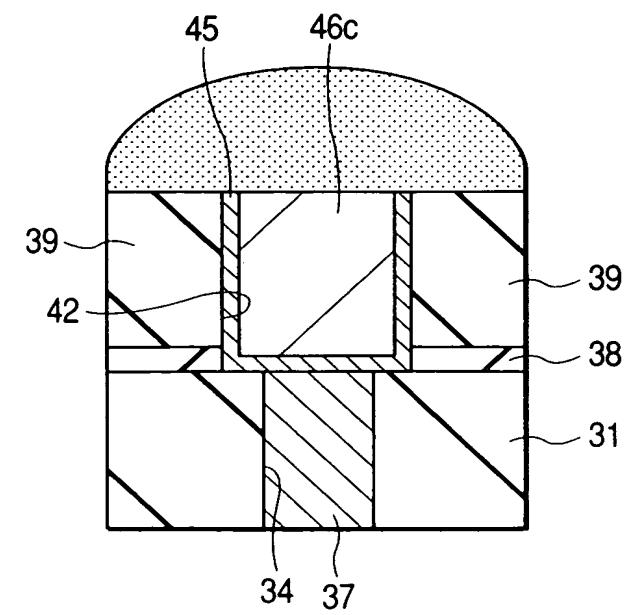
FIG. 63(a)*FIG. 63(b)**FIG. 64(a)**FIG. 64(b)*

FIG. 65(a)

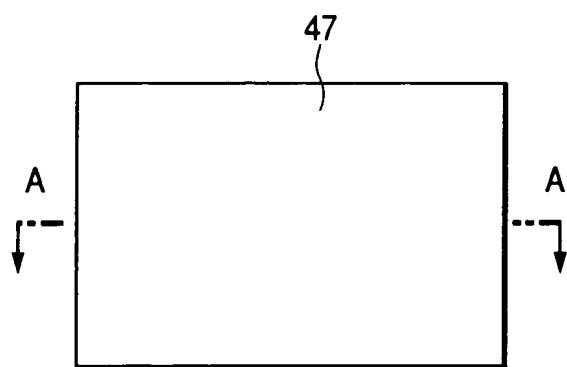


FIG. 65(b)

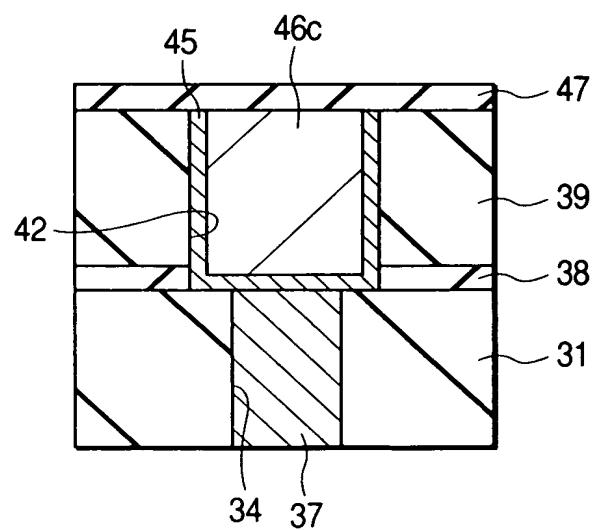


FIG. 66(a)

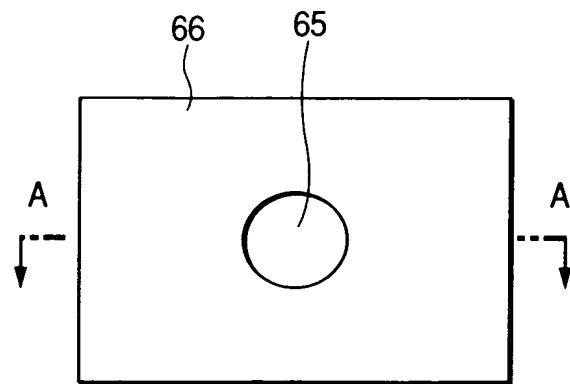


FIG. 66(b)

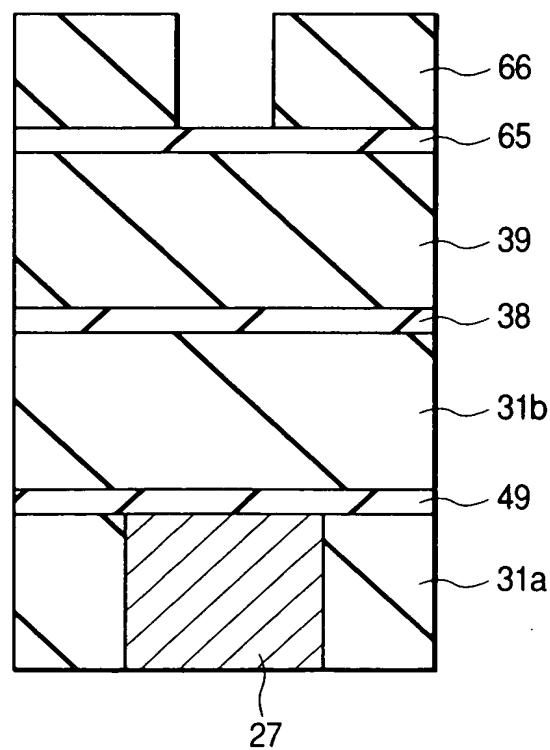


FIG. 67(a)

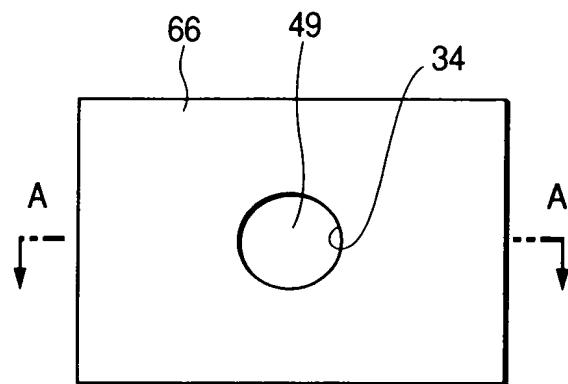


FIG. 67(b)

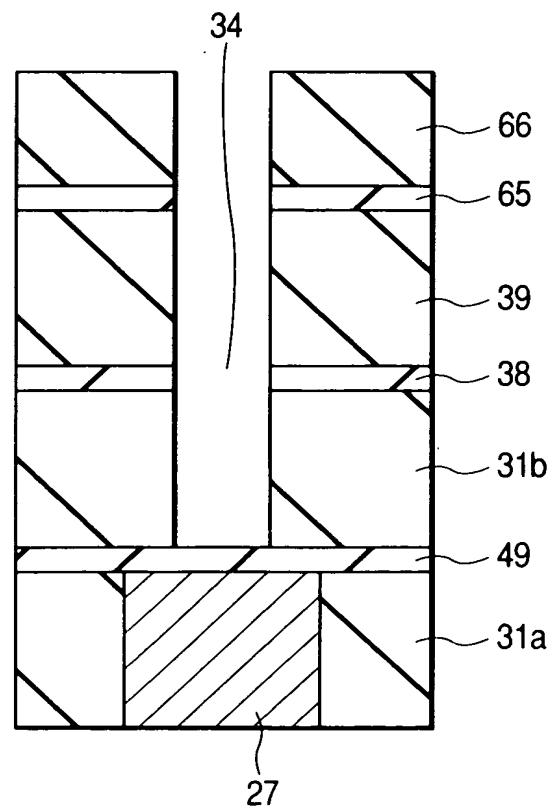


FIG. 68(a)

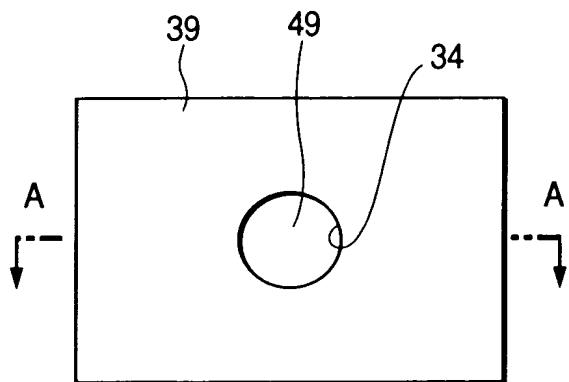


FIG. 68(b)

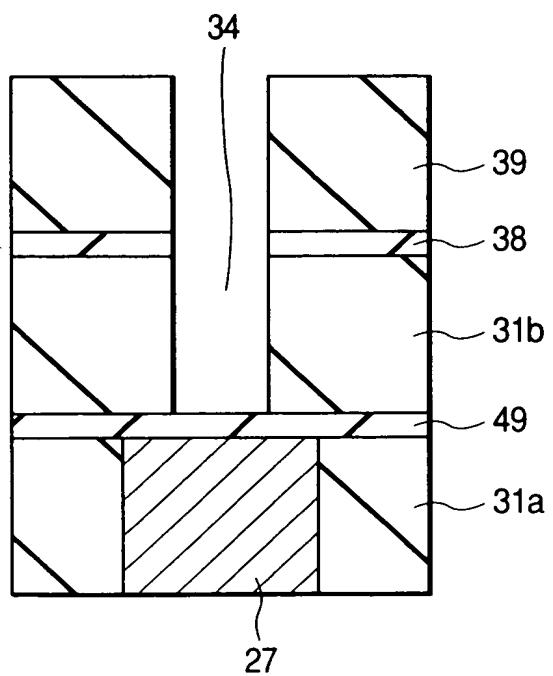


FIG. 69(a)

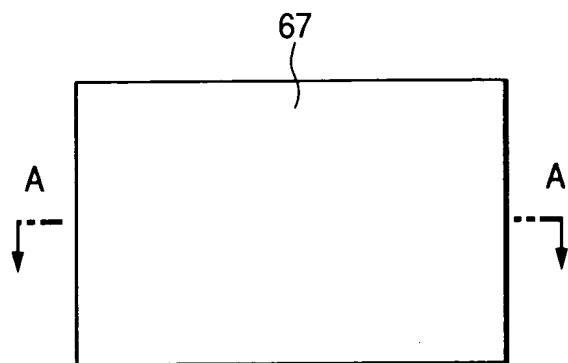


FIG. 69(b)

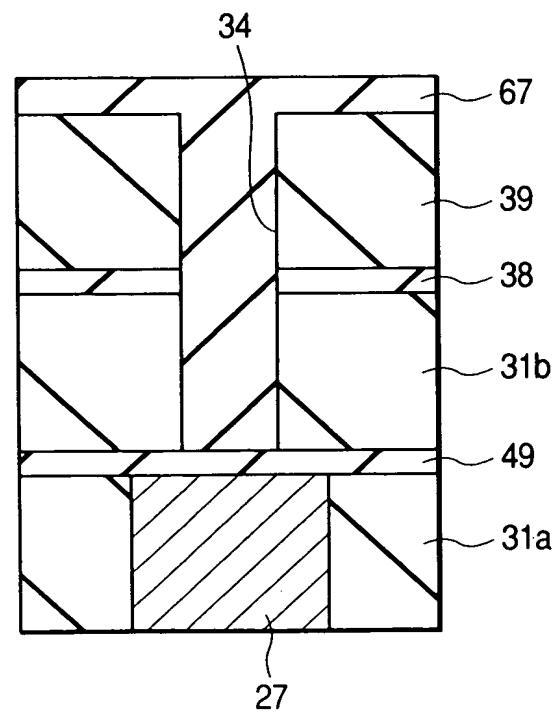


FIG. 70(a)

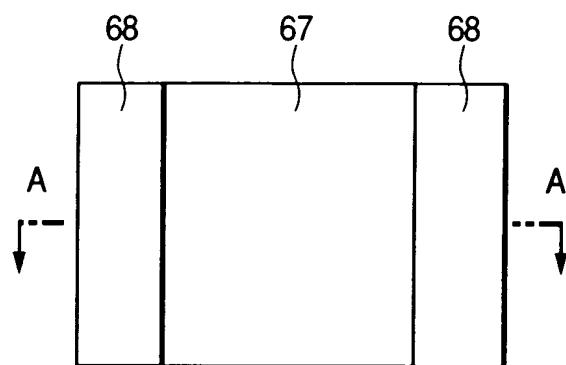


FIG. 70(b)

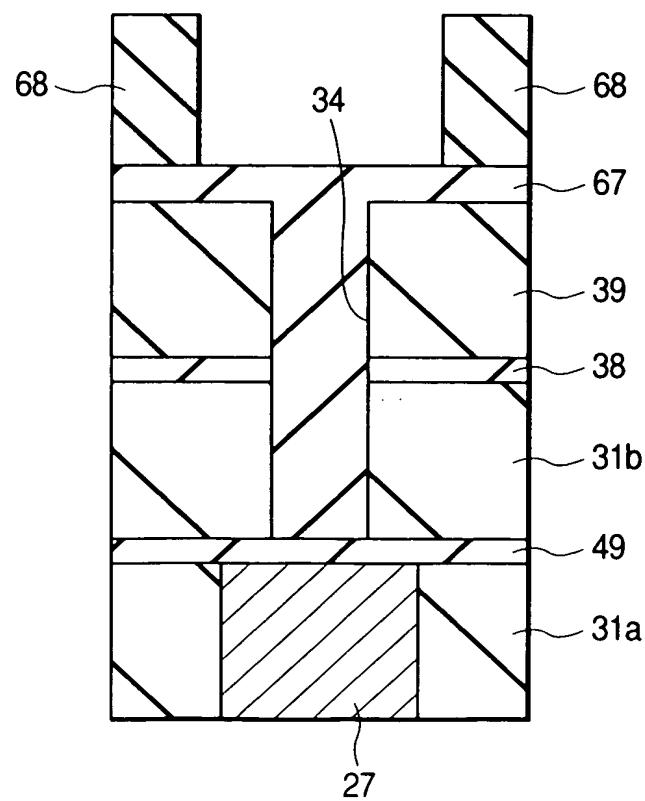


FIG. 71(a)

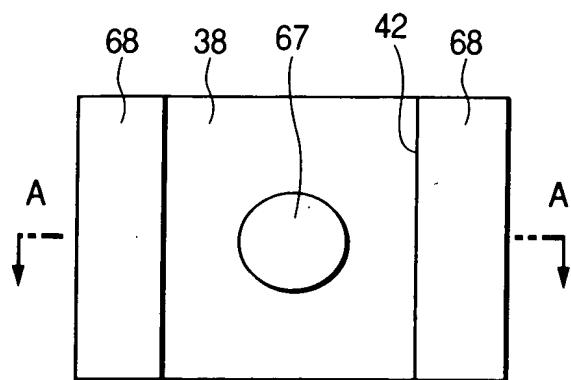


FIG. 71(b)

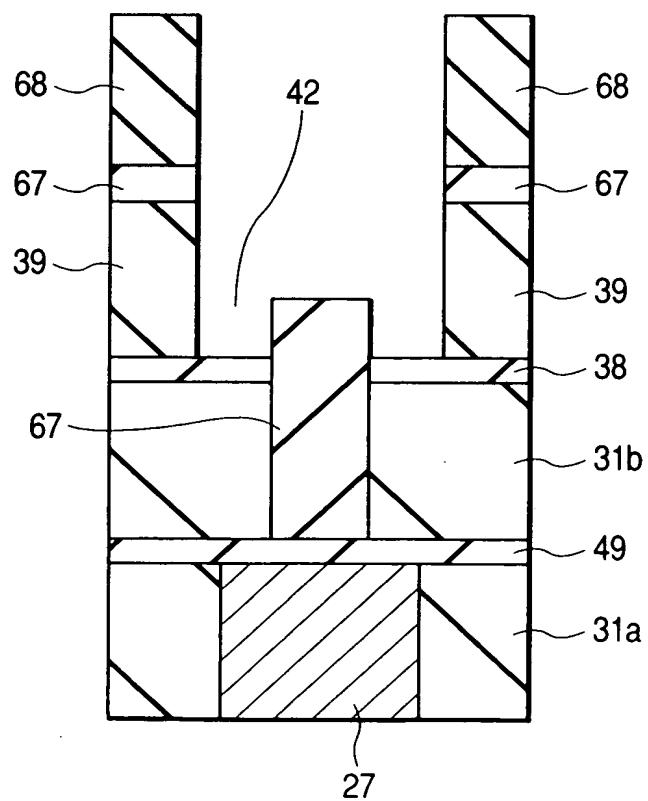


FIG. 72(a)

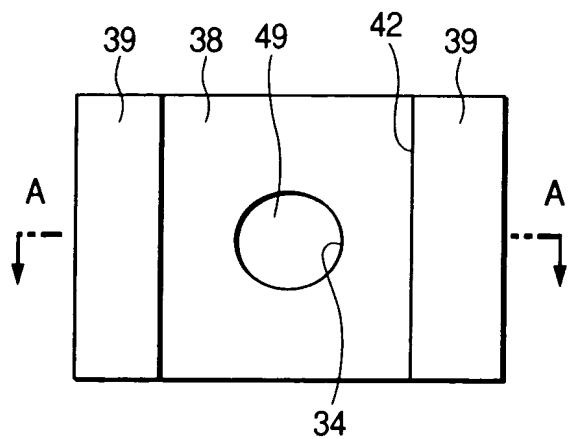


FIG. 72(b)

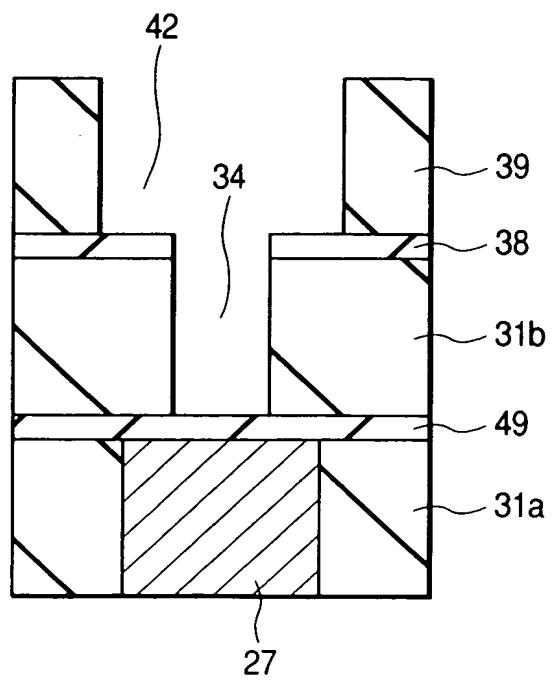


FIG. 73(a)

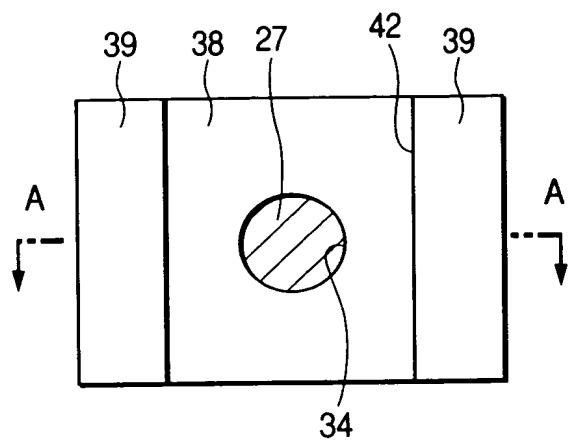


FIG. 73(b)

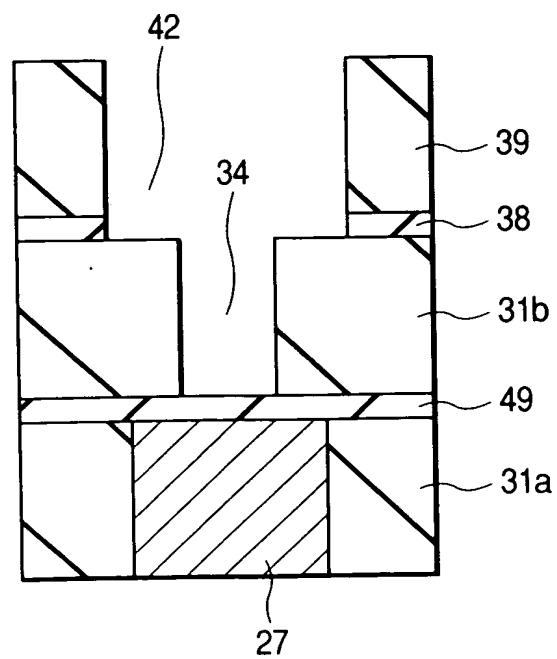


FIG. 74(a)

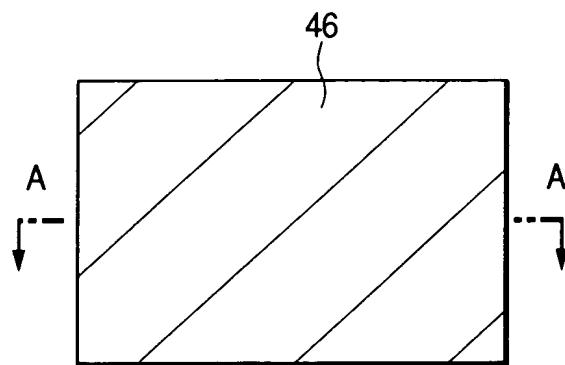


FIG. 74(b)

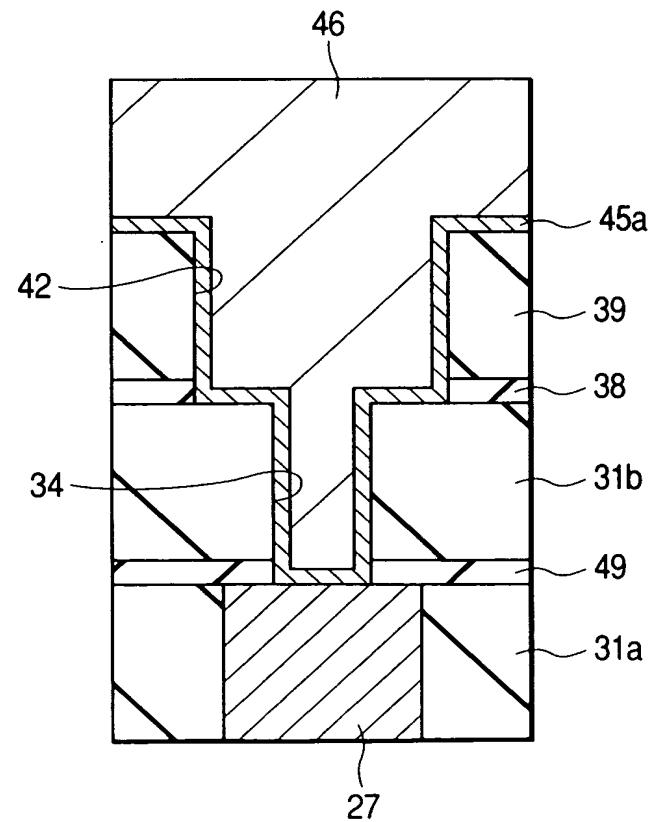


FIG. 75(a)

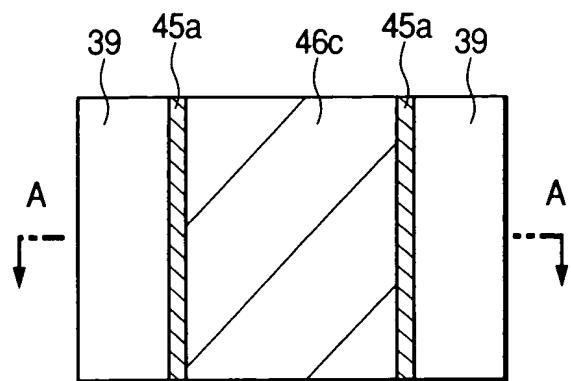


FIG. 75(b)

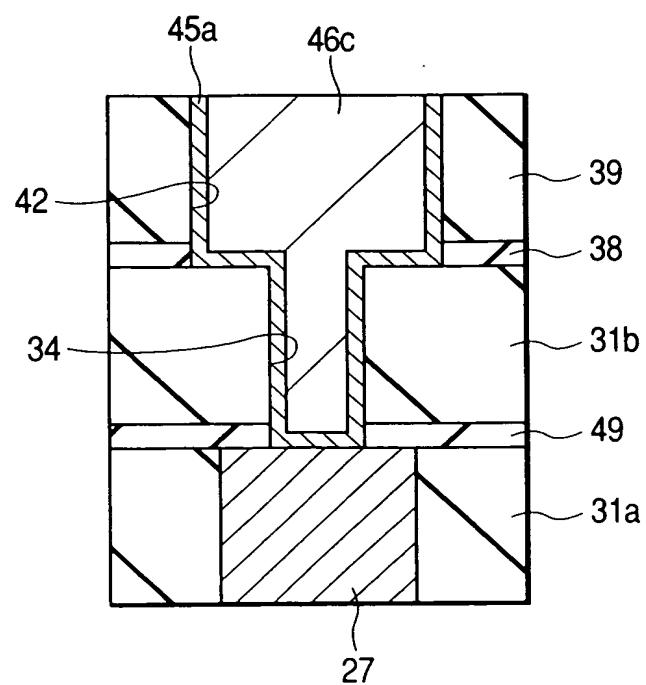


FIG. 76(a)

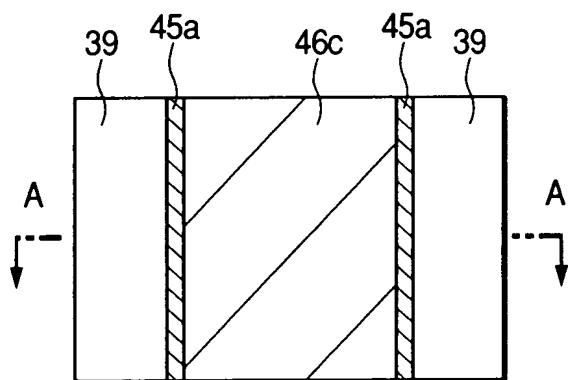


FIG. 76(b)

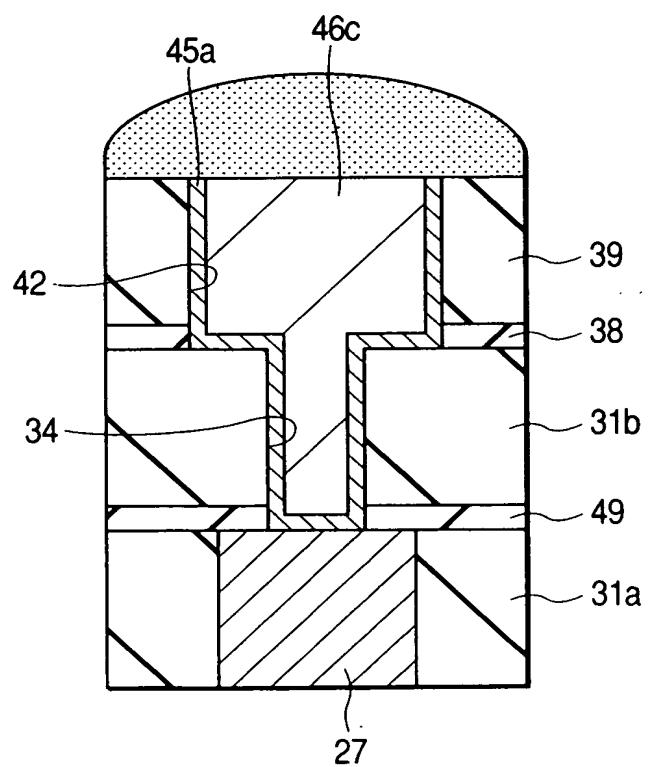


FIG. 77(a)

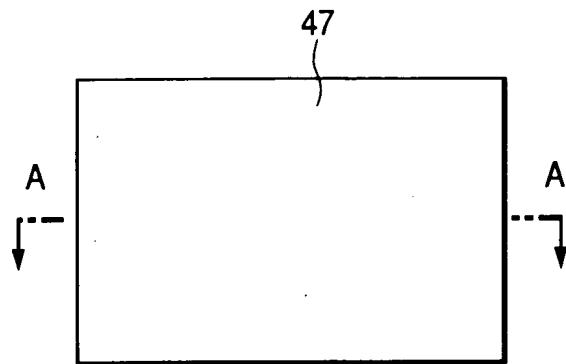


FIG. 77(b)

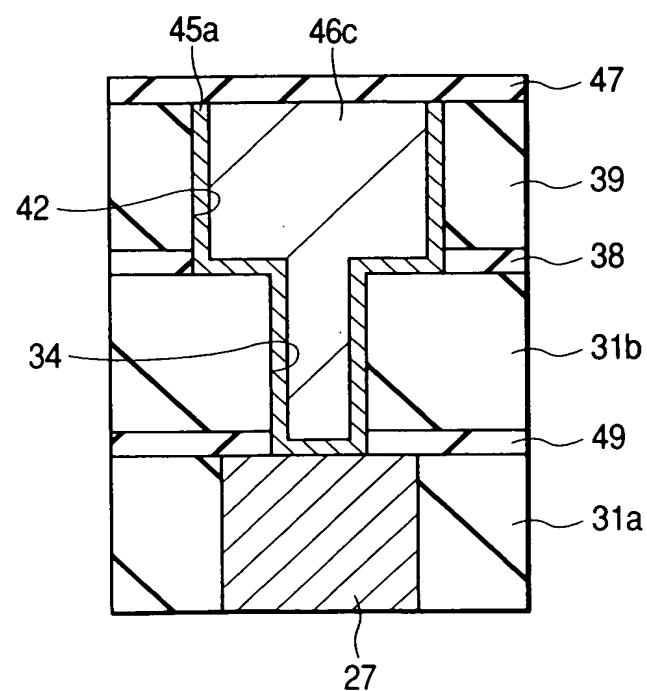


FIG. 78(a)

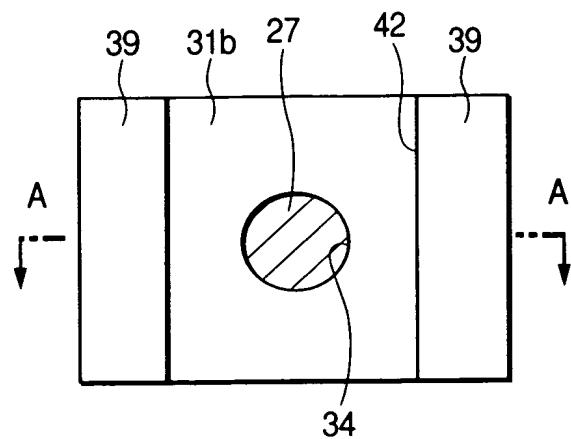


FIG. 78(b)

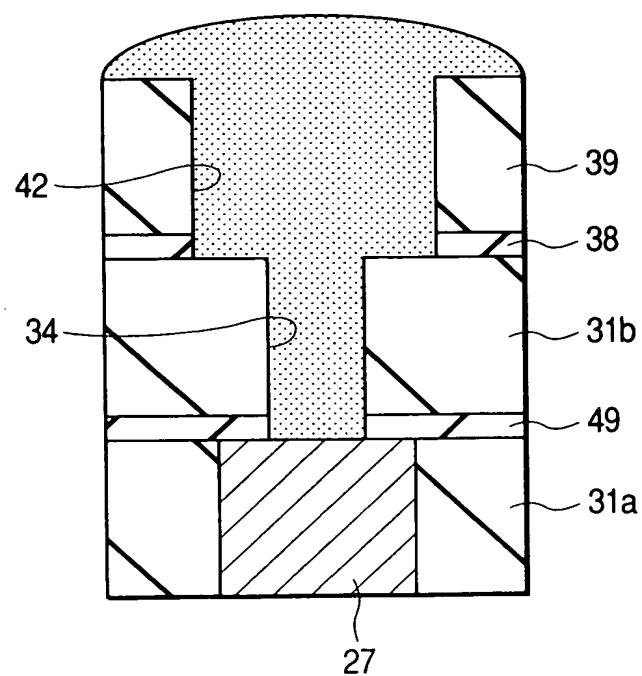


FIG. 79(a)

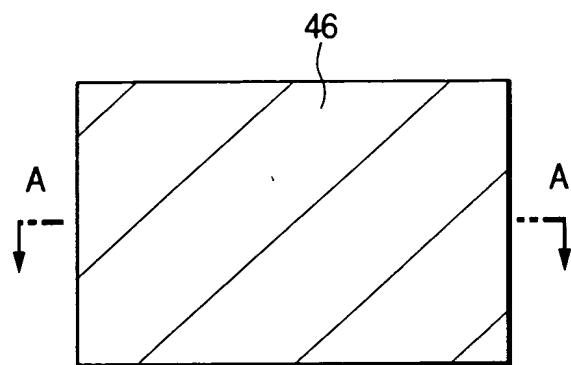


FIG. 79(b)

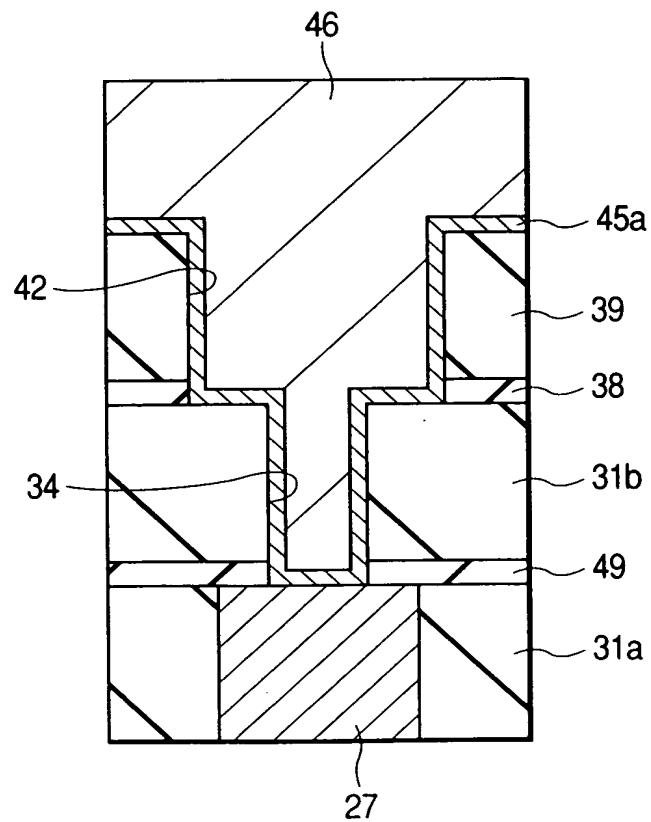


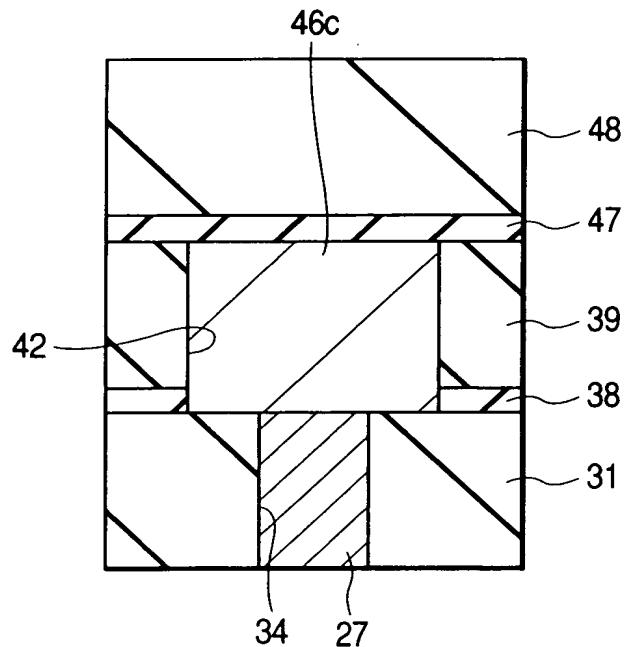
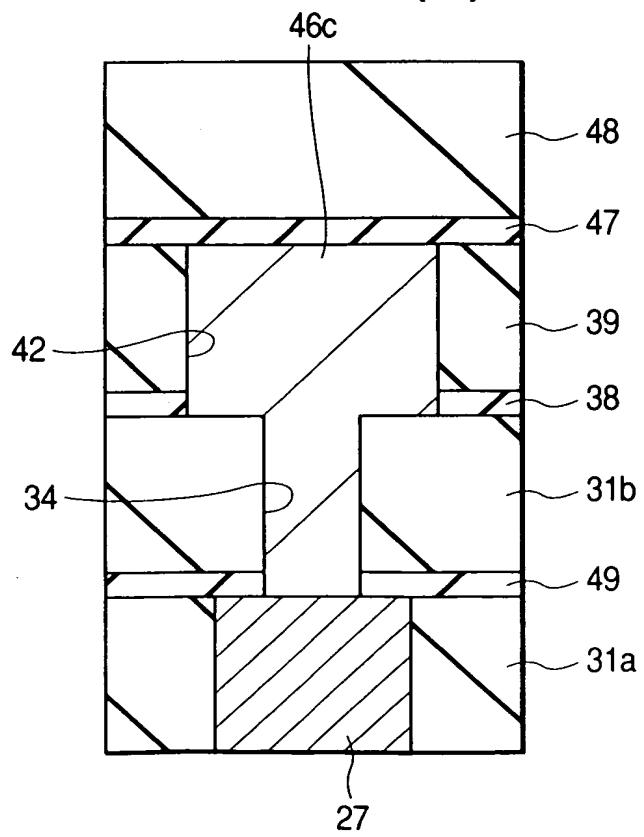
FIG. 80(a)***FIG. 80(b)***

FIG. 81(a)

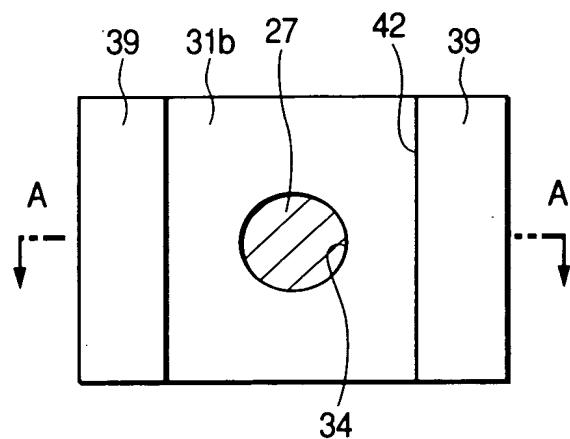


FIG. 81(b)

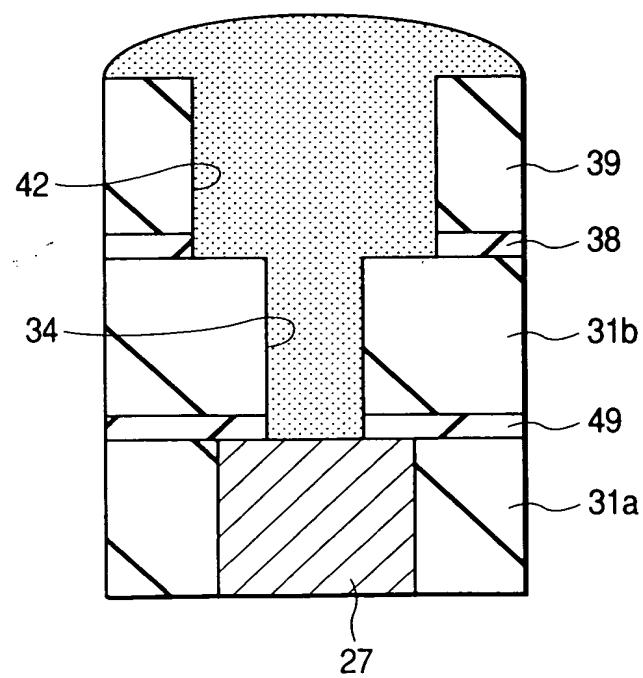


FIG. 82(a)

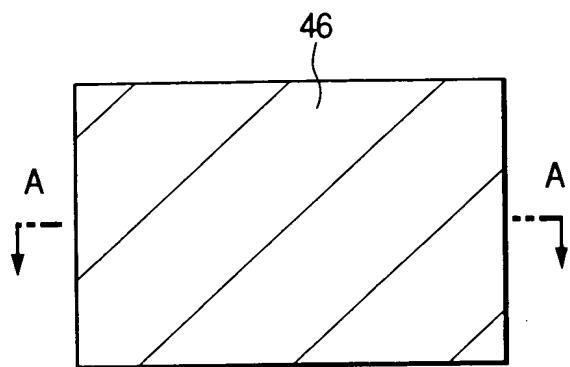


FIG. 82(b)

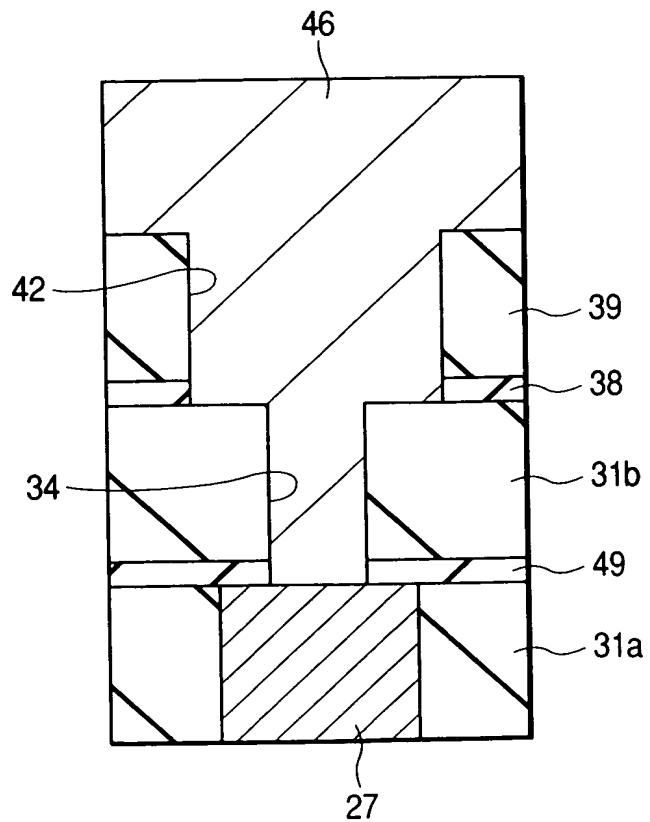


FIG. 83(a)

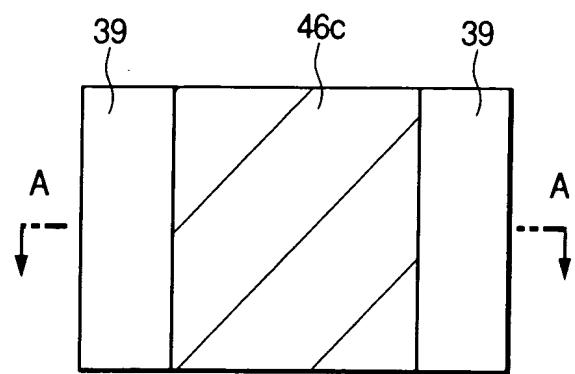


FIG. 83(b)

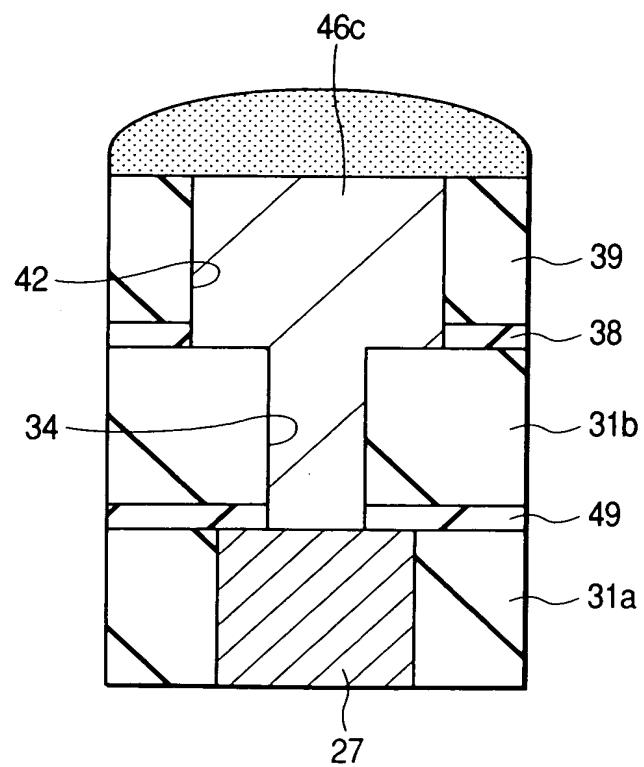


FIG. 84(a)

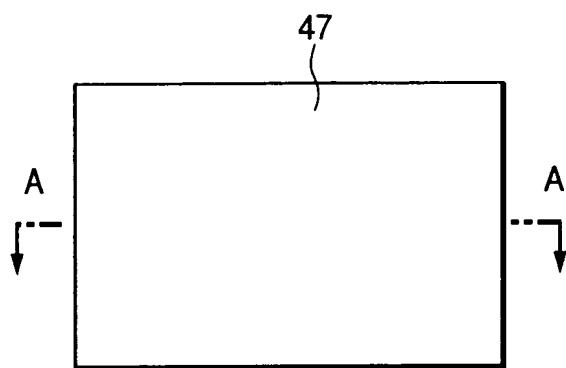


FIG. 84(b)

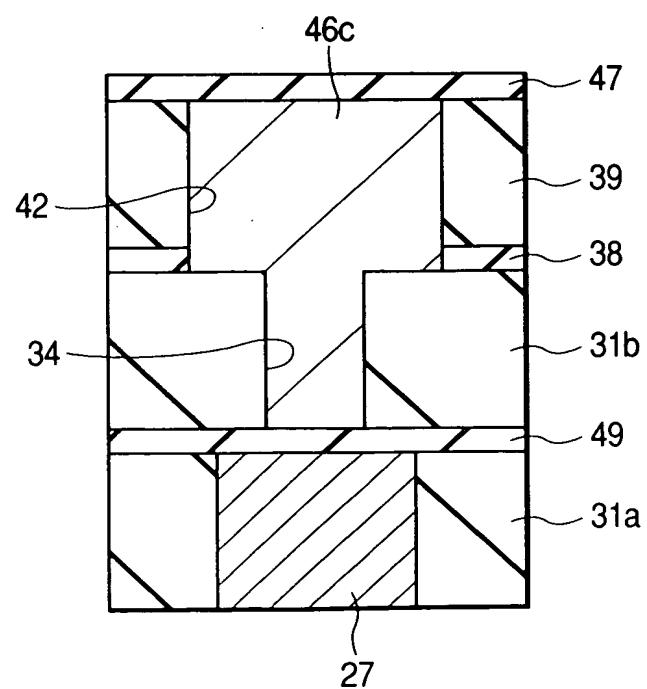


FIG. 85(a)

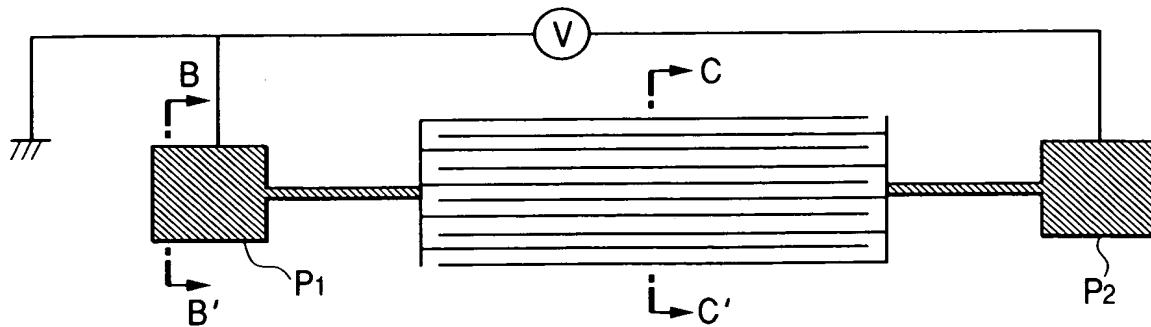


FIG. 85(b)

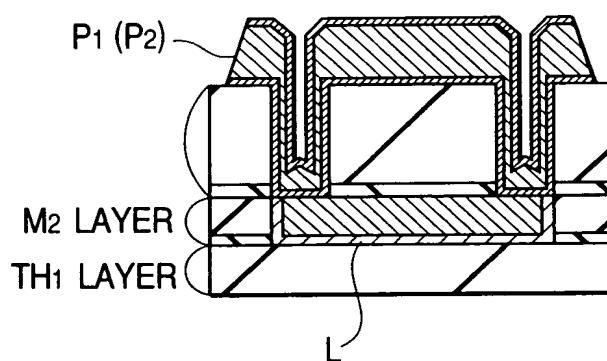


FIG. 85(c)

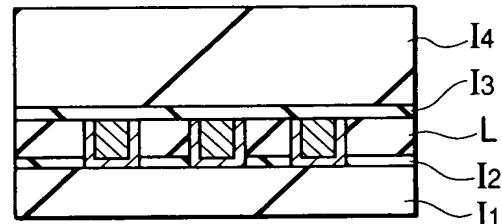


FIG. 86

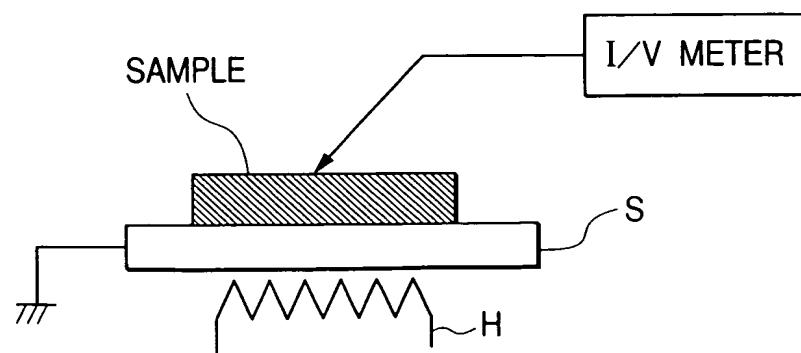


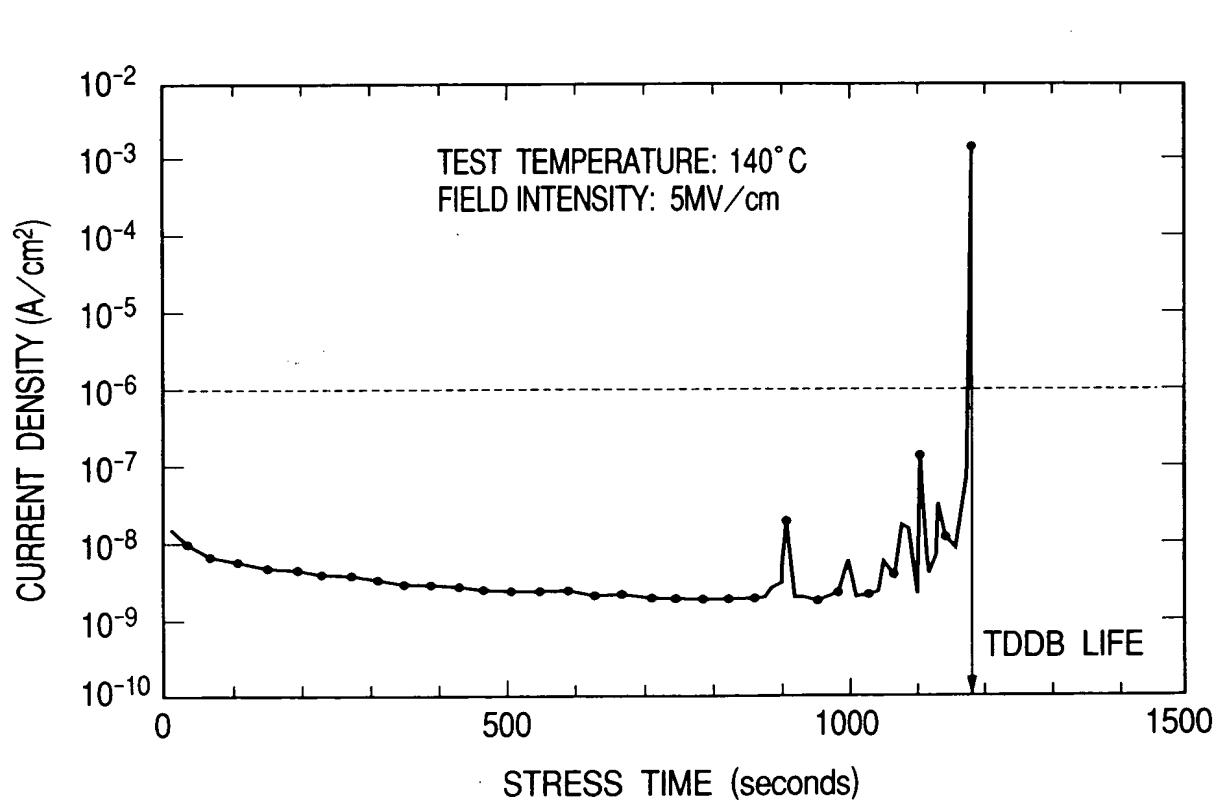
FIG. 87

FIG. 88

